

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HARDEE Examiner #: 254 Date: 11/17/08
Art Unit: 1750 Phone Number 305-5549 Serial Number: 09/846,654
Mail Box and Bldg/Room Location: 9B36 Results Format-Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention:

Inventors (please provide full names):

Earliest Priority Filing Date:

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Whatever you can find. Thanks

STAFF USE ONLY

Searcher: KURUMA, LM

Searcher Phone #: 305-5542

Searcher Location: EIC 1700

Date Searcher Picked Up: 11/17/08

Date Completed: 1/27/03

Searcher Prep & Review Time: 30 min

Clerical Prep Time:

Online Time: 1/5/03

Type of Search

NA Sequence (#)

AA Sequence (#)

Structure (#)

Bibliographic

Litigation

Fulltext

Patent Family

Other

Vendors and cost where applicable

STN

Dialog

Questel/Orbit

Dr.Link

Lexis/Nexis

Sequence Systems

WWW/Internet

Other (specify)

Page 1hardy654

=> set cost off
SET COMMAND COMPLETED

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FILE 'REGISTRY' ENTERED AT 11:05:04 ON 27 JAN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JAN 2003 HIGHEST RN 481628-73-3
DICTIONARY FILE UPDATES: 24 JAN 2003 HIGHEST RN 481628-73-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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FILE COVERS 1907 - 27 Jan 2003 VOL 138 ISS 5
FILE LAST UPDATED: 26 Jan 2003 (20030126/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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(FILE 'HOME' ENTERED AT 09:58:45 ON 27 JAN 2003)

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ACT HARD654C/A

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L225 (1) SEA FILE=REGISTRY ABB=ON	PLU=ON	88-41-5/RN
L226 (1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449205-30-5/RN
L227 (1) SEA FILE=REGISTRY ABB=ON	PLU=ON	123-68-2/RN
L228 (1) SEA FILE=REGISTRY ABB=ON	PLU=ON	628-63-7/RN
L229 (1) SEA FILE=REGISTRY ABB=ON	PLU=ON	624-54-4/RN
L230 (1) SEA FILE=REGISTRY ABB=ON	PLU=ON	100-66-3/RN
L231 (1) SEA FILE=REGISTRY ABB=ON	PLU=ON	100-52-7/RN

L232 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	140-11-4 /RN
L233 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	S 2550-26-7 /RN
L234 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	2550-26-7 /RN
L235 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	98-55-5 /RN
-L236 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	104-57-4 /RN
L237 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	122-63-4 /RN
L238 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	464-49-3 /RN
-L239 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	6485-40-1 /RN
L240 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	2244-16-8 /RN
L241 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	104-54-1 /RN
L242 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	104-65-4 /RN
L243 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	488-10-8 /RN
L244 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	3681-71-8 /RN
L245 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	5392-40-5 /RN
L246 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	536-60-7 /RN
L247 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	122-03-2 /RN
L248 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	5439-16-4 /RN
L249 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	15439-16-4 /RN
L250 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	100-86-7 /RN
L251 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	151-05-3 /RN
L252 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	141-78-6 /RN
L253 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	141-97-9 /RN
L254 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	106-68-3 /RN
L255 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	93-89-0 /RN
L256 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	105-54-4 /RN
L257 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	39255-32-8 /RN
L258 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	925-78-0 /RN
L259 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	4940-11-8 /RN
L260 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	101-97-3 /RN
L261 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	470-82-6 /RN
L262 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	97-53-0 /RN
L263 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	1632-73-1 /RN
L264 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	24899-75-8 /RN
L265 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	124899-75-8 /RN
L266 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	76842-49-4 /RN
L267 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	104-61-0 /RN
L268 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	106-24-1 /RN
L269 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	928-96-1 /RN
L270 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	142-92-7 /RN
L271 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	627-33-4 /RN
L272 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	629-33-4 /RN
L273 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	1123-85-9 /RN
L274 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	107-93-0 /RN
L275 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	107-75-5 /RN
L276 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	123-51-3 /RN
L277 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	4861-85-2 /RN
L278 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	89-79-2 /RN
L279 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	119-65-3 /RN
L280 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	78-70-6 /RN
L281 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	365-19-1 /RN
L282 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	89-80-5 /RN
L283 (	27) SEA FILE=REGISTRY ABB=ON	PLU=ON	L173 OR L174 OR L175 OR L176
L284 (	48) SEA FILE=REGISTRY ABB=ON	PLU=ON	L283 OR L203 OR L204 OR L205
L285 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	110-43-0 /RN
L286 (	24) SEA FILE=REGISTRY ABB=ON	PLU=ON	L227 OR L228 OR L229 OR L230
L287 (	984) SEA FILE=REGISTRY ABB=ON	PLU=ON	L253 OR L254 OR L255 OR L256
L288 (	1008) SEA FILE=REGISTRY ABB=ON	PLU=ON	L286 OR L287
L289 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	134-20-3 /RN
L290 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	93-58-3 /RN

L291(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	93-92-5/RN
L292(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	93-15-2/RN
L293(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	110-93-0/RN
L294(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	821-55-6/RN
- L295(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	111-13-7/RN
L296(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	234435-95-1/RN
L297(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	119-36-8/RN
- L298(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	3301-94-8/RN
L299(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	104-50-7/RN
L300(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	123-96-6/RN
L301(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	124-13-0/RN
L302(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	122-78-1/RN
L303(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	103-45-7/RN
L304(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	60-12-8/RN
L305(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	103-05-9/RN
L306(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	1191-16-8/RN
L307(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	105-66-8/RN
L308(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	16409-43-1/RN
L309(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	94-59-7/RN
L310(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	562-74-3/RN
L311(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	91-16-7/RN
L312(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-70-7/RN
L313(	24) SEA FILE=REGISTRY ABB=ON	PLU=ON	L289 OR L290 OR L291 OR L292
L314	1032 SEA FILE=REGISTRY ABB=ON	PLU=ON	L288 OR L313

ACT HAR654D/A

L315(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	127-91-3/RN
L316(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	112-31-2/RN
L317(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	57378-68-4/RN
L318(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	5146-66-7/RN
L319(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-66-1/RN
L320(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-69-4/RN
L321(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	110-41-8/RN
L322(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	177772-08-6/RN
L323(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	88-41-5/RN
L324(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	32210-23-4/RN
L325(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	78-69-3/RN
L326	11 SEA FILE=REGISTRY ABB=ON	PLU=ON	L315 OR L316 OR L317 OR L318

ACT HAR654E/A

L327(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	123-68-2/RN
L328(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	2550-26-7/RN
L329(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	2305-21-7/RN
L330(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	151-05-3/RN
L331(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	4940-11-8/RN
L332(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	39255-32-8/RN
L333(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	470-82-6/RN
L334(	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	24899-75-8/RN
L335(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	171102-41-3/RN
L336(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	76842-49-4/RN
L337(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	234435-95-1/RN
L338(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	93-92-5/RN
L339(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	124-13-0/RN
L340(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	1191-16-8/RN
L341(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	22457-23-4/RN
L342(	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	562-74-3/RN
L343(1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-70-7/RN

L344	16 SEA FILE=REGISTRY ABB=ON	PLU=ON	L327 OR L328 OR L329 OR L330
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-L345(1)SEA FILE=REGISTRY ABB=ON	PLU=ON	2049-96-9/RN
L346(1)SEA FILE=REGISTRY ABB=ON	PLU=ON	7779-65-9
L347(	0)SEA FILE=REGISTRY ABB=ON	PLU=ON	122-4--7/RN
-L348(	0)SEA FILE=REGISTRY ABB=ON	PLU=ON	122-4-7/RN
L349(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	122-40-7/RN
L350(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	91-87-2/RN
L351(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	89-43-0/RN
L352(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	119-61-9/RN
L353(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	118-58-1/RN
L354(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	87-44-5/RN
L355(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	77-53-2/RN
L356(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	77-54-3/RN
L357(	0)SEA FILE=REGISTRY ABB=ON	PLU=ON	22-69-0/RN
L358(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	122-69-0/RN
L359(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-72-9/RN
L360(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	97-89-2/RN
L361(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-73-0/RN
L362(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	25485-88-5/RN
L363(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	103-95-7/RN
L364(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-74-1/RN
L365(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	713-95-1/RN
L366(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	37172-53-5/RN
L367(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	101-81-5/RN
L368(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	105-95-3/RN
L369(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	125109-85-5/RN
L370(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	1222-05-5/RN
L371(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	73888-22-9/RN
L372(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	2345-26-8/RN
L373(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	423773-57-3/RN
L374(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	109-29-5/RN
L375(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	65405-77-8/RN
L376(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	101-86-0/RN
L377(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	109-29-5/RN
L378(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	68141-26-4/RN
L379(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	79-69-6/RN
L380(	0)SEA FILE=REGISTRY ABB=ON	PLU=ON	26-64-7/RN
L381(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	126-64-7/RN
L382(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	93-04-9/RN
L383(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	95962-14-4/RN
L384(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-79-6/RN
L385(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	15323-35-0/RN
L386(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	94-47-3/RN
L387(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	102-20-5/RN
L388(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	21145-77-7/RN
L389(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	692-86-4/RN
L390(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	104-67-6/RN
L391(	1)SEA FILE=REGISTRY ABB=ON	PLU=ON	449205-30-5/RN
L392(34)SEA FILE=REGISTRY ABB=ON	PLU=ON	L345 OR L346 OR L347 OR L348
L393	42 SEA FILE=REGISTRY ABB=ON	PLU=ON	L392 OR L384 OR L385 OR L386
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	ACT HAR654G/A		
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L395(1)SEA FILE=REGISTRY ABB=ON	PLU=ON	423773-57-3/RN
L396(1)SEA FILE=REGISTRY ABB=ON	PLU=ON	101-86-0/RN

L397(1) SEA FILE=REGISTRY ABB=ON PLU=ON 54464-57-2/RN
L398(1) SEA FILE=REGISTRY ABB=ON PLU=ON 79-69-6/RN
L399(1) SEA FILE=REGISTRY ABB=ON PLU=ON 449203-79-6/RN
L400(1) SEA FILE=REGISTRY ABB=ON PLU=ON 125109-85-5/RN
-L401(1) SEA FILE=REGISTRY ABB=ON PLU=ON 95962-14-4/RN
L402(1) SEA FILE=REGISTRY ABB=ON PLU=ON 104-67-6/RN
L403 9 SEA FILE=REGISTRY ABB=ON PLU=ON L394 OR L395 OR L396 OR L397

ACT HAR654I/A

L404(1) SEA FILE=REGISTRY ABB=ON PLU=ON 94-36-0/RN
L405(1) SEA FILE=REGISTRY ABB=ON PLU=ON 3034-79-5/RN
L406(1) SEA FILE=REGISTRY ABB=ON PLU=ON 24163-35-7/RN
L407 3 SEA FILE=REGISTRY ABB=ON PLU=ON L404 OR L405 OR L406

L408 48 S L1-L54
L409 50 S L111-L166
L410 1032 S L409 OR L169 OR L292-L315
L411 1 S L169
L412 21 S L292-L312
L413 1 S 562-74-3/RN
L414 1 S 91-16-7/RN
L415 1 S 449203-70-7/RN
L416 72 S L409 OR L411-L415
L417 11 S L326
L418 16 S L344
L419 42 S L393
L420 9 S L403
L421 3 S L407

FILE 'HCAPLUS' ENTERED AT 10:46:22 ON 27 JAN 2003

L422 29936 S L408 OR L417
L423 131446 S L344 OR L416
L424 16427 S L422 AND L423
L425 224 S L424 AND DETERGENTS/SC
L426 2 S L425 AND L421
L427 109 S L425 AND (L419 OR L420)
L428 2 S L426 AND L427
L429 17 S L425 AND ?DISH?
L430 18 S L429 OR L428
SET COST OFF

FILE 'REGISTRY' ENTERED AT 10:59:08 ON 27 JAN 2003

FILE 'HCAPLUS' ENTERED AT 10:59:14 ON 27 JAN 2003
SET COST OFF

FILE 'REGISTRY' ENTERED AT 11:00:49 ON 27 JAN 2003

FILE 'HCAPLUS' ENTERED AT 11:01:04 ON 27 JAN 2003
SET COST OFF

FILE 'REGISTRY' ENTERED AT 11:05:04 ON 27 JAN 2003

FILE 'HCAPLUS' ENTERED AT 11:05:09 ON 27 JAN 2003

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L430 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:686617 HCPLUS
 DOCUMENT NUMBER: 137:203062
 TITLE: Viscous liquid **dishwashing** detergent with long-lasting scent
 - INVENTOR(S): Iihara, Tadashi; Koga, Takeichiro; Sonoda, Akiko
 PATENT ASSIGNEE(S): Lion Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002256300	A2	20020911	JP 2001-109276	20010302
PRIORITY APPLN. INFO.:			JP 2001-109276	20010302
AB	Title compn., having viscosity at 25.degree. of 200-600 mPas, comprises (A) surfactant 30-60 wt% and (B) perfumes having b.p. 150-300 0.05-1.0 wt%. Thus, a compn., showing excellent detergency and foaming ability, was formulated by mixing sodium C12-alkyl ether sulfate 15, sodium C14-.alpha.-olefin sulfate 5, C12-alkyl amine oxide 5, polyethylene glycol C15-alkyl ether 2, fatty acid diethanolamine 4, ethanol 4, p-toluene sulfonic acid 5, limonene 0.15, linalool 0.01, pinene 0.01, and citral 0.01 part.			
IC	ICM C11D017-08 ICS C11D001-02; C11D001-66; C11D001-75; C11D001-90; C11D003-37; C11D003-50; C11D010-02; C11D017-04			
CC	46-6 (Surface Active Agents and Detergents)			
ST	viscous liq dishwashing detergent limonene linalool pinene citral			
IT	Amine oxides Betaines RL: TEM (Technical or engineered material use); USES (Uses) (ampholytic surfactant; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Surfactants (amphoteric; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Surfactants (anionic; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Detergents (dishwashing , liq.; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Perfumes (formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Surfactants (nonionic; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	7757-82-6D, Sodium sulfate, alkyl derivs. RL: TEM (Technical or engineered material use); USES (Uses) (anionic surfactant; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	78-70-6, Linalool 85-91-6, Methyl Methyl anthranilate 89-80-5, Menthone 93-28-7, Eugenol acetate 97-53-0, Eugenol 98-86-2, Acetophenone, uses 99-49-0, Carvone 100-51-6, Benzyl alcohol, uses 101-97-3, Ethyl phenylacetate 103-36-6,			

Ethyl cinnamate 103-54-8, Cinnamyl acetate 104-46-1, Anethole
104-54-1, Cinnamic alcohol 104-55-2, Cinnamic aldehyde
106-23-0, Citronellal **106-24-1**, Geraniol 106-25-2, Nerol
106-32-1, Ethyl caprylate 112-45-8, Undecylene aldehyde **115-95-7**
119-36-8, Methyl salicylate 120-51-4, Benzyl benzoate
120-57-0, 1,3-Benzodioxole-5-carboxaldehyde 121-33-5 **122-03-2**
122-63-4, Benzyl propionate 134-20-3 138-86-3, Limonene
140-11-4, Benzyl acetate **150-84-5**, Citronellyl acetate
470-82-6 507-70-0, Borneol 1330-16-1, Pinene 1490-04-6,
Menthol **5392-40-5**, Citral 8000-41-7, Terpineol 8013-00-1,
Terpinene 26444-19-9, Methylacetophenone 39350-49-7, Hexylcinnamic
aldehyde 50984-52-6, Anisaldehyde 128196-32-7
RL: MOA (Modifier or additive use); USES (Uses)
(perfume; formulation of viscous liq. **dishwashing** detergent
with long-lasting scent)

L430 ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:637781 HCAPLUS
DOCUMENT NUMBER: 137:187416
TITLE: Automatic **dishwashing** compositions
comprising blooming perfume and base masking
ingredients
INVENTOR(S): Clare, Jonathan Richard; Kaiser, Carl-eric; Pankratz,
Virginia
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064723	A2	20020822	WO 2002-US4446	20020213
WO 2002064723	A3	20021010		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002169091	A1	20021114	US 2001-783510	20010214

PRIORITY APPLN. INFO.: US 2001-783510 A 20010214

AB Automatic **dishwashing** detergent compns. comprises bleaching
agent or enzyme preferably amylase and/or protease enzymes, 10-75%
detergent builder, adjunct material, and 0.01-5% blooming perfume compn.
contg. 50-90% blooming perfume ingredients having a b.p. of less than
about 260.degree.C and a ClogP of at least about 3, and wherein said
perfume compn. comprises at least 5 different blooming perfume
ingredients, and 0.5-10% base masking perfume ingredients having a b.p. of
more than about 260.degree. and a ClogP of at least about 3.

IC ICM C11D003-50
ICS C11D003-39; C11D003-395; C11D003-386; C11D003-06; C11D011-00

CC 46-6 (Surface Active Agents and **Detergents**)

ST **dishwashing** compn blooming base masking perfume

IT Detergents
(bleaching; **dishwashing** detergent compns.)
IT Perfumes
(**dishwashing** detergent compns.)
- IT Detergents
(**dishwashing**, gels; **dishwashing** detergent compns.)
IT Detergents
(**dishwashing**, liq.; **dishwashing** detergent compns.)
IT Detergents
(enzyme-contg.; **dishwashing** detergent compns.)
IT 37172-53-5, Methyl 2-hexyl-3-oxo-cyclopentanecarboxylate
RL: TEM (Technical or engineered material use); USES (Uses)
(Dihydro Isojasmonate, base masking perfume; **dishwashing** detergent compns.)
IT 55066-48-3, 3-Methyl-5-phenyl-1-pentanol
RL: TEM (Technical or engineered material use); USES (Uses)
(Ph Hexanol, base masking perfume; **dishwashing** detergent compns.)
IT 101-48-4, Phenylacetaldehyde dimethyl acetal
RL: TEM (Technical or engineered material use); USES (Uses)
(Veridine, delayed blooming perfume; **dishwashing** detergent compns.)
IT 77-53-2, Cedrol 77-54-3, Cedryl acetate 79-69-6 80-54-6, Lilial
87-20-7, Isopentyl salicylate 87-44-5 89-43-0, Aurantiol 91-87-2
93-04-9, 2-Methoxy Naphthalene 94-47-3, Phenethyl benzoate 97-89-2,
Citronellyl isobutyrate 101-81-5, Diphenylmethane 101-86-0 102-20-5,
Phenethyl phenylacetate 103-95-7, Cyclamen aldehyde 104-67-6
105-95-3, Ethylene brassylate 106-02-5, Pentadecanolide 109-29-5,
Hexadecanolide 118-58-1, Benzyl salicylate 119-61-9, Benzophenone,
uses 122-40-7 122-69-0, Cinnamyl cinnamate 123-69-3, Ambrettolide
126-64-7, Linalyl benzoate 692-86-4 710-04-3 713-95-1 1222-05-5,
Galaxolide 1725-01-5, 1,8-Dioxacycloheptadecan-9-one 2049-96-9, Amyl
benzoate 2345-26-8, Geranyl isobutyrate 5986-55-0, Patchouli alcohol
6259-76-3 7388-22-9 7779-65-9, Isoamyl cinnamate 15323-35-0,
Phantolide 21145-77-7, Tonalid 25485-88-5, Cyclohexyl salicylate
54464-57-2, Iso E Super 65405-77-8 68141-26-4, 6-Isobutylquinoline
95962-14-4, Nectaryl 125109-85-5, Florhydral 423773-57-3, Habanolide
449203-72-9, Citrathal 449203-73-0, Clonal 449203-74-1, Cyclabute
449203-79-6, Neobutenone **449205-30-5**, Vertinert Acetate
RL: TEM (Technical or engineered material use); USES (Uses)
(base masking perfume; **dishwashing** detergent compns.)
IT 78-69-3, Tetrahydrolinalool 79-77-6 79-92-5,
Camphene 80-26-2 80-56-8 88-41-5, Verdox
99-85-4 99-86-5 99-87-6 101-84-8,
Diphenyloxide 103-37-7, Benzyl butyrate 105-86-2,
Geranyl formate 105-87-3, Geranyl acetate 106-21-8,
3,7-Dimethyl-1-octanol 106-22-9, Citronellol 110-41-8
112-31-2, Decyl Aldehyde 112-54-9, Lauraldehyde 115-95-7
, Linalyl acetate 120-50-3, Isobutyl benzoate 123-35-3
124-19-6, Nonylaldehyde 125-12-2, Isobornyl acetate
127-41-3 127-91-3 140-67-0, Methyl Chavicol
141-12-8, Neryl acetate 141-14-0, Citronellyl propionate
142-19-8, Allyl heptanoate 143-13-5, Nonyl acetate
150-84-5, Citronellyl acetate **499-75-2**, Carvacrol
586-62-9 **673-84-7**, AlloOcimene **2463-77-6**, 2-Undecenal
2623-23-6 **2705-87-5**, Allyl cyclohexanepropionate
4180-23-8 5146-66-7, Geranyl nitrile 5434-57-1
5989-27-5 **13851-11-1**, Fenchyl acetate **16930-96-4**,
Hexyl tiglate **18479-57-7**, Tetrahydromyrcenol **19009-56-4**

, Methyl octyl acetaldehyde 21722-83-8, Cyclohexylethyl acetate
27458-94-2, Isononyl alcohol 29350-73-0, Cadinene
32210-23-4, Vertenex 40379-24-6, Isononyl acetate
41519-23-7 51566-62-2, Citronellyl nitrile
53219-21-9, Dihydromyrcenol 57378-68-4 57576-09-7,
Isopulegyl acetate 67883-79-8 88969-41-9,
Dihydromyrcenyl acetate 177772-08-6, Undecavertol
449203-66-1, Lorysia 449203-69-4, Lymolene
RL: TEM (Technical or engineered material use); USES (Uses)
(blooming perfume; **dishwashing** detergent compns.)
IT 60-12-8, Phenethyl alcohol 78-70-6, Linalool
89-79-2, Isopulegol 89-80-5, Menthone 89-82-7,
(+)-Pulegone 91-16-7, Veratrole 93-15-2, Methyl
Eugenol 93-58-3, Methyl benzoate 93-89-0, Ethyl benzoate
93-92-5, Methyl Phenyl Carbonyl Acetate 94-59-7, Safrole
97-53-0, Eugenol 98-55-5 100-06-1 100-51-6, Benzyl
alcohol, uses 100-52-7, Benzaldehyde, uses 100-66-3,
Anisole, uses 100-86-7, Dimethyl benzyl carbinol
101-97-3, Ethyl phenyl acetate 103-05-9, Phenyl Ethyl
dimethyl Carbinol 103-45-7, 2-Phenylethyl acetate
104-50-7 104-54-1, Cinnamic alcohol 104-57-4,
Benzyl formate 104-61-0 104-65-4, Cinnamyl formate
104-93-8 105-54-4, Ethyl butanoate 105-66-8, Propyl
butanoate 106-24-1 106-25-2, Nerol 106-44-5, uses
106-68-3, Ethyl amyl ketone 107-75-5, Hydroxycitronellal
110-43-0, Methyl pentyl ketone 110-93-0, Methyl
Heptenone 111-13-7, Methyl Hexyl ketone 119-36-8,
Methyl salicylate 119-65-3, Isoquinoline 120-72-9, Indole,
uses 122-00-9 122-03-2, Cuminaldehyde 122-63-4,
Benzyl propionate 122-78-1, Phenylacetaldehyde 122-99-6,
2-Phenoxyethanol 123-11-5, uses 123-51-3, Isoamyl alcohol
123-68-2, Allyl caproate 123-96-6, 2-Octanol
124-13-0, Octyl Aldehyde 134-20-3, Methyl anthranilate
140-11-4, Benzyl acetate 141-78-6, Ethyl acetate, uses
141-97-9, Ethyl acetoacetate 142-92-7, Hexyl acetate
151-05-3, Dimethyl benzyl carbonyl acetate 464-49-3,
(+)-Camphor 470-82-6, Eucalyptol 488-10-8
536-60-7, Cumic alcohol 562-74-3, 4-Terpinenol
610-16-2 624-54-4, Amyl Propionate 628-63-7, Amyl
acetate 629-33-4, Hexyl formate 821-55-6, Methyl
Heptyl ketone 925-78-0, 3-Nonanone 928-96-1
1123-85-9, Hydratropic alcohol 1191-16-8, Prenyl acetate
1365-19-1, Linalool oxide 1632-73-1, Fenchyl alcohol
2244-16-8, (+)-Carvone 2305-21-7, 2-Hexen-1-ol
2550-26-7, Benzylacetone 3301-94-8 3681-71-8
4861-85-2, Isopropyl phenylacetate 4940-11-8, Ethyl
Maltol 5392-40-5, Citral 6485-40-1 7452-79-1
15439-16-4, Cyclal 16409-43-1, Rose oxide
22457-23-4, Stemone 39255-32-8, Ethyl-2-methyl
pentanoate 54140-14-6 68039-49-6, Triplal 76842-49-4,
Frutene 124899-75-8 171102-41-3, Flor Acetate
234435-95-1, Methyl pamplemousse 449203-70-7, Violiff
RL: TEM (Technical or engineered material use); USES (Uses)
(delayed blooming perfume; **dishwashing** detergent compns.)
IT 9000-92-4, Amylase 9001-92-7, Protease
RL: BUU (Biological use, unclassified); TEM (Technical or engineered
material use); BIOL (Biological study); USES (Uses)
(**dishwashing** detergent compns.)

L430 ANSWER 3 OF 18 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:637780 HCPLUS
DOCUMENT NUMBER: 137:187415
TITLE: Automatic **dishwashing** detergent compositions comprising diacyl peroxide bleach and blooming perfume
INVENTOR(S): Clare, Jonathan Richard
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064722	A2	20020822	WO 2002-US4441	20020213
WO 2002064722	A3	20021114		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
US 2002169091	A1	20021114	US 2001-783510	20010214
PRIORITY APPLN. INFO.:			US 2001-783510	A 20010214
			US 2001-846654	A 20010501

AB Automatic **dishwashing** detergent compns. comprises diacyl peroxide bleaching agent and 0.01-5% blooming perfume compn. contg. 15-60%, preferably 20-50% blooming perfume ingredients having a b.p. of less than about 260.degree.C and a ClogP of at least about 3; 15-70% delayed blooming perfume ingredients having a b.p. of less than about 260.degree. and a ClogP of less than about 3, wherein the wt. ratio of blooming perfume ingredients to delayed blooming perfume ingredients is from about 0.25 to about 1.5; 1-30% base masking perfume ingredients having a b.p. of more than 260 .degree.C and a ClogP of at least 3.

IC ICM C11D003-50
ICS C11D003-39

CC 46-6 (Surface Active Agents and **Detergents**)

ST **dishwashing** detergent compn diacyl peroxide bleach blooming perfume

IT Detergents
(bleaching; **dishwashing** detergent compns.)

IT Perfumes
(**dishwashing** detergent compns.)

IT Detergents
(**dishwashing**, gels; **dishwashing** detergent compns.)

IT Detergents
(**dishwashing**, liq.; **dishwashing** detergent compns.)

IT 37172-53-5, Methyl 2-hexyl-3-oxo-cyclopentanecarboxylate

RL: TEM (Technical or engineered material use); USES (Uses)
(Dihydro Isojasmonate, base masking perfume; **dishwashing** detergent compns.)

IT 55066-48-3, 3-Methyl-5-phenyl-1-pentanol

RL: TEM (Technical or engineered material use); USES (Uses)
(Ph Hexanol, base masking perfume; **dishwashing** detergent

compns.)

IT 101-48-4, Phenylacetaldehyde dimethyl acetal
RL: TEM (Technical or engineered material use); USES (Uses)
(Veridine, delayed blooming perfume; **dishwashing** detergent
compns.)

IT 77-53-2, Cedrol 77-54-3, Cedryl acetate 79-69-6
80-54-6, Lilial 87-20-7, Isopentyl salicylate 87-44-5,
.beta.-Caryophyllene 89-43-0, Aurantiol 91-87-2,
.alpha.-Amylcinnamaldehyde dimethyl acetal 93-04-9, 2-Methoxy
Naphthalene 94-47-3, Phenethyl benzoate 97-89-2,
Citronellyl isobutyrate 101-81-5, Diphenylmethane
101-86-0, .alpha.-Hexylcinnamaldehyde 102-20-5,
Phenethyl phenylacetate 103-95-7, Cyclamen aldehyde
104-67-6, .gamma.-Undecalactone 105-95-3, Ethylene
brassylate 106-02-5, Pentadecanolide 109-29-5, Hexadecanolide
118-58-1, Benzyl salicylate 119-61-9, Benzophenone, uses
122-40-7, .alpha.-Amylcinnamaldehyde 122-69-0, Cinnamyl
cinnamate 123-69-3, Ambrettolide 126-64-7, Linalyl benzoate
692-86-4 710-04-3, .delta.-Undecalactone 713-95-1,
.delta.-Dodecalactone 1222-05-5, Galaxolide 1725-01-5,
1,8-Dioxacycloheptadecan-9-one 2049-96-9, Amyl benzoate
2345-26-8, Geranyl isobutyrate 5986-55-0, Patchouli alcohol
6259-76-3, n-Hexyl salicylate 7388-22-9, .gamma.-Methyl Ionone
7779-65-9, Isoamyl cinnamate 15323-35-0, Phantolide
21145-77-7, Tonalid 25485-88-5, Cyclohexyl salicylate
54464-57-2, Iso E Super 65405-77-8, cis-3-Hexenyl
salicylate 68141-26-4, 6-Isobutylquinoline 95962-14-4,
Nectaryl 125109-85-5, Florhydral 423773-57-3,
Habanolide 449203-72-9, Citrathal 449203-73-0, Clonal
449203-74-1, Cyclabute 449203-79-6, Neobutenone
449205-30-5, Vertinert Acetate
RL: TEM (Technical or engineered material use); USES (Uses)
(base masking perfume; **dishwashing** detergent compns.)

IT 94-36-0, Dibenzoyl peroxide, uses 3034-79-5
10484-48-7, Benzoyl succinyl peroxide 24163-35-7 37051-42-6,
Diphthaloyl peroxide
RL: TEM (Technical or engineered material use); USES (Uses)
(bleaching agent; **dishwashing** detergent compns.)

IT 78-69-3, Tetrahydrolinalool 79-77-6, .beta.-Ionone
79-92-5, Camphene 80-26-2, .alpha.-Terpinyl acetate
80-56-8, .alpha.-Pinene 88-41-5, Verdox 99-85-4
, .gamma.-Terpinene 99-86-5, .alpha.-Terpinene 99-87-6
101-84-8, Diphenyloxide 103-37-7, Benzyl butyrate
105-86-2, Geranyl formate 105-87-3, Geranyl acetate
106-21-8, 3,7-Dimethyl-1-octanol 106-22-9, Citronellol
110-41-8, Methyl n-Nonyl acetaldehyde 112-31-2, Decyl
Aldehyde 112-54-9, Lauraldehyde 115-95-7, Linalyl acetate
120-50-3, Isobutyl benzoate 123-35-3, .beta.-Myrcene
124-19-6, Nonylaldehyde 125-12-2, Isobornyl acetate
127-41-3, .alpha.-Ionone 127-91-3, .beta.-Pinene
140-67-0, Methyl Chavicol 141-12-8, Neryl acetate
141-14-0, Citronellyl propionate 142-19-8, Allyl
heptanoate 143-13-5, Nonyl acetate 150-84-5,
Citronellyl acetate 499-75-2, Carvacrol 586-62-9
673-84-7, AlloOcimene 2463-77-6, 2-Undecenal 2623-23-6
2705-87-5, Allyl cyclohexanepropionate 4180-23-8,
trans-Anethole 5146-66-7, Geranyl nitrile 5434-57-1
5989-27-5 13851-11-1, Fenchyl acetate 16930-96-4,
Hexyl tiglate 18479-57-7, Tetrahydromyrcenol 19009-56-4

, Methyl octyl acetaldehyde 21722-83-8, Cyclohexylethyl acetate 27458-94-2, Isononyl alcohol 29350-73-0, Cadinene 32210-23-4, Vertenex 40379-24-6, Isononyl acetate 41519-23-7, cis-3-Hexenyl isobutyrate 51566-62-2, Citronellyl nitrile 53219-21-9, Dihydromyrcenol 57378-68-4, .delta.-Damascone 57576-09-7, Isopulegyl acetate 67883-79-8, cis-3-Hexenyl tiglate 88969-41-9, Dihydromyrcenyl acetate 177772-08-6, Undecavertol 449203-66-1, Lorysia 449203-69-4, Lymolene
RL: TEM (Technical or engineered material use); USES (Uses)
(blooming perfume; **dishwashing** detergent compns.)
IT 60-12-8, Phenethyl alcohol 78-70-6, Linalool
89-79-2, Isopulegol 89-80-5, Menthone 89-82-7,
(+)-Pulegone 91-16-7, Veratrole 93-15-2, Methyl Eugenol 93-58-3, Methyl benzoate 93-89-0, Ethyl benzoate 93-92-5, Methyl Phenyl Carbonyl Acetate 94-59-7, Safrole 97-53-0, Eugenol 98-55-5 100-06-1 100-51-6, Benzyl alcohol, uses 100-52-7, Benzaldehyde, uses 100-66-3, Anisole, uses 100-86-7, Dimethyl benzyl carbinol 101-97-3, Ethyl phenyl acetate 103-05-9, Phenyl Ethyl dimethyl Carbinol 103-45-7, 2-Phenylethyl acetate 104-50-7, .gamma.-Octalactone 104-54-1, Cinnamic alcohol 104-57-4, Benzyl formate 104-61-0, .gamma.-Nonalactone 104-65-4, Cinnamyl formate 104-93-8 105-54-4, Ethyl butanoate 105-66-8, Propyl butanoate 106-24-1, trans-Geraniol 106-25-2, Nerol 106-44-5, p-Cresol, uses 106-68-3, Ethyl amyl ketone 107-75-5, Hydroxycitronellal 110-43-0, Methyl pentyl ketone 110-93-0, Methyl Heptenone 111-13-7, Methyl Hexyl ketone 119-36-8, Methyl salicylate 119-65-3, Isoquinoline 120-72-9, Indole, uses 122-00-9 122-03-2, Cuminaldehyde 122-63-4, Benzyl propionate 122-78-1, Phenylacetaldehyde 122-99-6, 2-Phenoxyethanol 123-11-5, p-Anisaldehyde, uses 123-51-3, Isoamyl alcohol 123-68-2, Allyl caproate 123-96-6, 2-Octanol 124-13-0, Octyl Aldehyde 134-20-3, Methyl anthranilate 140-11-4, Benzyl acetate 141-78-6, Ethyl acetate, uses 141-97-9, Ethyl acetoacetate 142-92-7, Hexyl acetate 151-05-3, Dimethyl benzyl carbonyl acetate 464-49-3, (+)-Camphor 470-82-6, Eucalyptol 488-10-8, cis-Jasmone 536-60-7, Cumic alcohol 562-74-3, 4-Terpinenol 610-16-2 624-54-4, Amyl Propionate 628-63-7, Amyl acetate 629-33-4, Hexyl formate 821-55-6, Methyl Heptyl ketone 925-78-0, 3-Nonanone 928-96-1, cis-3-Hexen-1-ol 1123-85-9, Hydratropic alcohol 1191-16-8, Prenyl acetate 1365-19-1, Linalool oxide 1632-73-1, Fenchyl alcohol 2244-16-8, (+)-Carvone 2305-21-7, 2-Hexen-1-ol 2550-26-7, Benzylacetone 3301-94-8, .delta.-Nonalactone 3681-71-8, cis-3-Hexenylacetate 4861-85-2, Isopropyl phenylacetate 4940-11-8, Ethyl Maltol 5392-40-5, Citral 6485-40-1, L-Carvone 7452-79-1 15439-16-4, Cyclal 16409-43-1, Rose oxide 22457-23-4, Stemone 39255-32-8, Ethyl-2-methyl pentanoate 54140-14-6 68039-49-6, Triplal 76842-49-4, Frutene 124899-75-8 171102-41-3, Flor Acetate 234435-95-1, Methyl pamplemousse 449203-70-7, Violiff
RL: TEM (Technical or engineered material use); USES (Uses)
(delayed blooming perfume; **dishwashing** detergent compns.)

L430 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:464311 HCAPLUS
DOCUMENT NUMBER: 137:34826
TITLE: Liquid cleaning compositions having microbicidal activity for hard surface
INVENTOR(S): Tadenuma, Hirohiko; Sonoda, Akiko; Okano, Tomomichi
PATENT ASSIGNEE(S): Lion Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 34 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002173698	A2	20020621	JP 2000-403747	20001204

PRIORITY APPLN. INFO.: JP 2000-403747 20001204

AB The compns. comprise (1) teatree essential oils, exts., or corresponding compns., (2) surfactants, and (3) org. acids or their salts. The compns. are useful for cleaning hard surface as **dishes**, windows, etc. Thus, a compn. contg. teatree essential oil 1, C12 alkyl ether sulfuric acid ester sodium salt 10, C12 dimethylamine oxide 4, sodium benzoate 0.1, C12 polyoxyethylene alkyl ether 10, and lauryldiethanolamide 10% showed good microbicidal effect to *staphylococcus aureus*.

IC ICM C11D003-382
ICS A01N025-02; A01N025-30; A01N027-00; A01N031-04; A01N031-06; A01N043-22; A01N065-00; C11D003-20; C11D003-30; C11D017-08

CC 46-6 (Surface Active Agents and Detergents)

ST liq cleaning compn microbicidal activity; teatree essential oil cleaning compn **dish** window

IT Detergents
(liq.; liq. cleaning compns. having microbicidal activity for hard surface)

IT Essential oils
RL: BSU (Biological study, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(teatree; liq. cleaning compns. having microbicidal activity for hard surface)

IT 60-00-4, Ethylenediaminetetraacetic acid, uses 64-19-7, Acetic acid, uses 65-85-0, Benzoic acid, uses 77-92-9, Citric acid, uses 79-09-4, Propionic acid, uses 79-14-1, Glycolic acid, uses 110-15-6, Succinic acid, uses 124-04-9, Adipic acid, uses 124-07-2, Caprylic acid, uses 144-62-7, Oxalic acid, uses 532-32-1, Sodium benzoate 6915-15-7, Malic acid
RL: BSU (Biological study, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(liq. cleaning compns. having microbicidal activity for hard surface)

IT 80-56-8, .alpha.-Pinene 99-86-5, .alpha.-Terpinene 470-82-6, 1,8-Cineol 562-74-3
RL: BSU (Biological study, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(teatree essential oils contg.; liq. cleaning compns. having microbicidal activity for hard surface)

L430 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:760072 HCAPLUS
DOCUMENT NUMBER: 135:305530
TITLE: Compositions containing a biguanide antimicrobial

agent for cleaning and/or disinfecting a hard surface
and the process of using them

INVENTOR(S): Caselli, Alberto; Raso, Floriana

PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: Eur. Pat. Appl., 17 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1146112	A1	20011017	EP 2000-870073	20000414
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
WO 2001079410	A1	20011025	WO 2001-US11929	20010412
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: EP 2000-870073 A 20000414

AB The compns. for disinfecting and/or cleaning a hard-surface, e.g., walls,
tiles, table tops, glass and **dishes**, etc., contains up to 20% a
biguanide antimicrobial agent, e.g., polyalkylene biguanide, an essential
oil or an active thereof and an org. acid or a salt thereof.

IC ICM C11D003-48

ICS C11D003-30; C11D003-382; C11D003-20; C11D003-37; A01N047-44;
A01N065-00

CC 46-6 (Surface Active Agents and **Detergents**)

Section cross-reference(s): 10

ST polyalkylene biguanide antimicrobial agent hard surface disinfecting
compn; essential oil hard surface cleaning compn

IT Antimicrobial agents

Cleaning

(compns. for cleaning and/or disinfecting a hard surface)

IT Disinfectants

(detergent; compns. for cleaning and/or disinfecting a hard surface)

IT Detergents

(disinfectant; compns. for cleaning and/or disinfecting a hard surface)

IT Carboxylic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(disinfectant; compns. for cleaning and/or disinfecting a hard surface)

IT Carboxylic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(peroxy, disinfectant; compns. for cleaning and/or disinfecting a hard
surface)

IT Carboxylic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(polycarboxylic, disinfectant; compns. for cleaning and/or disinfecting
a hard surface)

IT Carboxylic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(salts, disinfectant; compns. for cleaning and/or disinfecting a hard surface)

IT 55-56-1, Chlorohexidine
RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(Chlorohexidine; antimicrobial agent in compns. for cleaning and/or disinfecting a hard surface)

IT 32289-58-0, Vantocil IB
RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(Vantocil IB; antimicrobial agent in compns. for cleaning and/or disinfecting a hard surface)

IT 69-72-7D, Salicylic acid, Me derivs. 77-53-2, Cedrol 80-57-9, Verbenone 89-83-8, Thymol 97-53-0, Eugenol 104-46-1, Anethol 104-54-1, Cinnamyl alcohol 104-55-2, Cinnamyl aldehyde 106-24-1, Geraniol 119-36-8, Methyl salicylate 470-82-6, Eucalyptol 499-44-5, Hinokitiol 499-75-2, Carvacrol 621-82-9, Cinnamic acid, uses 1135-24-6, Ferulic acid 1490-04-6, Menthol 2086-83-1, Berberine 8000-41-7, Terpineol 30460-92-5, Pinocarvone
RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(antimicrobial-active essential oil; compns. for cleaning and/or disinfecting a hard surface)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L430 ANSWER 6 OF 18 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:578597 HCPLUS

DOCUMENT NUMBER: 135:124156

TITLE: Bactericide combinations in detergents

INVENTOR(S): Elsmore, Richard; Houghton, Mark Phillip

PATENT ASSIGNEE(S): Robert McBride Ltd., UK

SOURCE: Brit. UK Pat. Appl., 53 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2354771	A1	20010404	GB 1999-23253	19991001
PRIORITY APPLN. INFO.:			GB 1999-23253	19991001
AB	The detergent comprises a bactericide in combination with an anionic, cationic, nonionic or amphoteric surfactant which has a C12-18 alkyl group as the longest chain attached to the hydrophilic moiety. Creduret 50 (hydrogenated ethoxylated castor oil) 50, citric acid 12, formalin 10, sodium alkyl benzene sulfonate (C12-20) alkyl 1, perfume white line 0.5, detergent enzyme savingase 0.2, and bactericide Pr 4-hydroxybenzoate 1.0 parts formed a detergent, showing redn. activity after contact 2.			
IC	ICM C11D003-48			
CC	46-6 (Surface Active Agents and Detergents)			
ST	bactericide surfactant detergent			
IT	Balsams			
	RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses) (Canada; bactericide combinations in detergents)			
IT	Amine oxides			

IT RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C10-16-alkyldimethyl; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C12-14-alkyltrimethyl, chlorides; bactericide combinations in
detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C12-18-alkyl; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C14-18-alkyl; bactericide combinations in detergents)

IT Alcohols, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C16-18, ethoxylated; bactericide combinations in detergents)

IT Fatty acids, uses
RL: BUU (Biological use; unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C16-18, phentachlorophenyl esters; bactericide combinations in
detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C16-18-unsatd. alkyl; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C8-10-alkyl; bactericide combinations in detergents)

IT Fatty acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C8-10; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C8-18-alkyl; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(N-C10-18-alkyltrimethylenediamines, reaction products with
chloroacetic acid; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(N-coco alkyltrimethylenediamines; bactericide combinations in
detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(N-tallow alkyltrimethylenediamines, ethoxylated; bactericide
combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)

(N-tallow alkyltrimethylenediamines; bactericide combinations in detergents)

IT Balsams.
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(Peru; bactericide combinations in detergents)

IT Resins
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(Siam gum benzoin; bactericide combinations in detergents)

IT Anthracene oil
(acid ext. for bactericide combinations in detergents)

IT Pimenta
(acris; ext. for bactericide combinations in detergents)

IT Carboxylic acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(aliph., salts; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(alkylbenzyldimethyl, chlorides; bactericide combinations in detergents)

IT Surfactants
(amphoteric; bactericide combinations in detergents)

IT Surfactants
(anionic; bactericide combinations in detergents)

IT Antibacterial agents
Creosote
(bactericide combinations in detergents)

IT Asphalt
Coconut oil
Creosote oil
Epoxy resins, uses
Hydrocarbon oils
Paraffin oils
Pyrethrins
Tar acids
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(benzyl-C12-14-alkyldimethyl, chlorides; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(benzyl-C12-16-alkyldimethyl, chlorides; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(benzyl-C12-18-alkyldimethyl, chlorides; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)

(benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one
1,1-dioxide (1:1); bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(benzyl-C16-18-alkyldimethyl, chlorides; bactericide combinations in
detergents)

IT Almond (*Prunus amygdalus*)
(bitter; ext. for bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(cade; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(cassia; bactericide combinations in detergents)

IT Secretions (external)
(castoreum; bactericide combinations in detergents)

IT Surfactants
(cationic; bactericide combinations in detergents)

IT Essential oils
RL: MOA (Modifier or additive use); USES (Uses)
(cedar; for bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(clove; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(coco alkyl, acetates; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(coco alkyl; bactericide combinations in detergents)

IT Amines, uses
Betaines
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(coco alkyldimethyl; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(coco alkyltrimethyl, chlorides; bactericide combinations in
detergents)

IT Fatty acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(coco, reaction products with aminoethylaminoethanol, quaternized;
bactericide combinations in detergents)

IT Amine oxides
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(cocoalkyldimethyl; bactericide combinations in detergents)

IT Balsams
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(copaiba; bactericide combinations in detergents)

IT Naphthenic acids, uses
Resin acids
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(copper salts; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(cypress; bactericide combinations in detergents)

IT Polysulfides
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(di-tert-nonyl; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(dialkyldimethyl, chlorides; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(dicoco alkylidimethyl, chlorides; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(dimethyltallow alkyl; bactericide combinations in detergents)

IT Coal tar
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(distillate; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(eucalyptus; bactericide combinations in detergents)

IT Abelmoschus moschatus
Allspice (*Pimenta dioica*)
Amyris balsamifera
Angelica archangelica
Aniba rosaeodora
Anise
Artemisia
Artemisia maritima
Camphor tree (*Cinnamomum camphora*)
Capsicum frutescens
Caraway (*Carum carvi*)
Chrysanthemum cinerariaefolium
Cinnamomum zeylanicum
Cistus ladanifer
Citrus medica
Coriander
Cumin
Cymbopogon citratus
Cymbopogon nardus
Cymbopogon winterianus
Dill
Dipteryx odorata
Evernia furfuracea
Evernia prunastri
Fennel (*Foeniculum vulgare*)

Fennel (*Foeniculum vulgare vulgare*)
Fir (*Abies balsamea*)
Gaultheria procumbens
Ginger
Grapefruit
Guaiacum officinale
Hay
Hedeoma pulegioides
Helichrysum stoechas
Iris pseudacorus
Jasmine (*Jasminum grandiflorum*)
Juniper (*Juniperus communis*)
Juniper (*Juniperus mexicana*)
Juniper (*Juniperus virginiana*)
Laurus nobilis
Lavender (*Lavandula hybrida*)
Lavender (*Lavandula spica*)
Lime (*Citrus aurantifolia*)
Mandarin orange
Melaleuca alternifolia
Mentha arvensis piperascens
Musks
Myristica fragrans
Narcissus juncifolius
Parsley (*Petroselinum crispum*)
Patchouli
Peppermint (*Mentha piperita*)
Pimenta racemosa
Pine (*Pinus*)
Pine (*Pinus pumila*)
Pine (*Pinus sylvestris*)
Propolis
Rose (*Rosa damascena*)
Rosemary
Sage (Salvia sclarea)
Sandalwood (*Santalum album*)
Spanish marjoram
Spartium junceum
Spearmint (*Mentha spicata*)
St.-John's-wort (*Hypericum perforatum*)
Star anise (*Illicium verum*)
Thyme (*Thymus capitatus*)
Vaccinium myrtillus
Valerian (*Valeriana*)
Vetiveria zizanioides
Viola odorata
Wheat
Ylang-ylang (*Cananga odorata*)
(ext. for bactericide combinations in detergents)
IT Bergamot (*Citrus bergamia*)
Birch (*Betula lenta*)
Birch (*Betula pendula*)
Ocimum basilicum
Savory (*Satureja hortensis*)
(ext.; bactericide combinations in detergents)
IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(geranium; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(hydrogenated tallow alkyl, acetates; bactericide combinations in detergents)

IT Resin acids
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(hydrogenated, Me esters; bactericide combinations in detergents)

IT Collagens, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(hydrolyzates, [3-(dodecyldimethylammonio)-2-hydroxypropyl], chlorides; bactericide combinations in detergents)

IT Naphthenic acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(iron salts; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(lavender; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(lemon, extn. residues; bactericide combinations in detergents)

IT Detergents
(liq.; bactericide combinations in detergents)

IT Fats and Glyceridic oils, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(margosa; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(mint, Mentha; bactericide combinations in detergents)

IT Perfumes
(myrrh; ext. for bactericide combinations in detergents)

IT Surfactants
(nonionic; bactericide combinations in detergents)

IT Resins
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(olibanum; bactericide combinations in detergents)

IT Resins
(opopanax; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(peppermint; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(pine; bactericide combinations in detergents)

IT Fatty acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(potassium salts; bactericide combinations in detergents)

IT Protein hydrolyzates

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(reaction products with undecenoyl chloride, salts; bactericide
combinations in detergents)

- IT Pelargonium graveolens
(sapond. ext. for bactericide combinations in detergents)

IT Orange
(sour; ext. for bactericide combinations in detergents)

- IT Balsams
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(storax; bactericide combinations in detergents)

IT Orange
(sweet, Valencia; ext. for bactericide combinations in detergents)

IT Almond (Prunus amygdalus)
Orange
(sweet; ext. for bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(tallow alkyl, ethoxylated, reaction products with chloroacetic acid;
ext. for bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(tallow alkyl; bactericide combinations in detergents)

IT Fatty acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(tallow, reaction products with triethanolamine, quaternized;
bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(thyme, Thymus vulgaris; bactericide combinations in detergents)

IT Balsams
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(tolu; bactericide combinations in detergents)

IT Balsams
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(tonka bean; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(unsatd., C18; bactericide combinations in detergents)

IT Naphthenic acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(zinc salts; bactericide combinations in detergents)

IT 58999-88-5D, 1-Propanaminium, 3-amino-N,N,N-trimethyl-, derivs.
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(N-C12-18 acyl derivs., Me sulfates; bactericide combinations in
detergents)

IT 50-00-0, Formaldehyde, uses 50-00-0D, Formaldehyde, reaction products,
uses 50-14-6 50-21-5, uses 50-65-7 50-99-7, D-Glucose, uses
51-03-6 51-28-5, uses 52-51-7 52-68-6 54-21-7 54-64-8 55-38-9

55-56-1 55-86-7 56-35-9 56-36-0 56-37-1 56-38-2 56-95-1
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 Strychnidin-10-one 57-55-6D, Propylene glycol, reaction products with
 formaldehyde 58-36-6 58-89-9 59-50-7 59-87-0 **60-12-8**,
 Benzeneethanol 60-51-5 61-73-4 62-38-4 62-56-6, Thiourea, uses
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 67-20-9 67-63-0D, 2-Propanol, reaction products with boron trifluoride
 and 5-ethylidenebicyclo[2.2.1]hept-2-ene, uses 67-66-3, uses 67-68-5,
 uses 67-97-0 69-72-7, uses 70-55-3 71-23-8, 1-Propanol, uses
 71-41-0, 1-Pentanol, uses 72-43-5 72-56-0 74-83-9, uses 75-12-7D,
 Formamide, reaction products with formaldehyde, uses 75-21-8, Oxirane,
 uses 75-31-0, 2-Propanamine, uses 75-91-2 76-06-2 76-22-2
 76-39-1 76-87-9 77-42-9 77-48-5 77-49-6 77-78-1D, Dimethyl
 sulfate, quaternized with 9-octadecenoic acid/triethanolamine reaction
 products 77-78-1D, Dimethyl sulfate, quaternized with fatty
 acid/triethanolamine reaction products 77-92-9, uses 78-59-1
78-69-3 78-70-6 78-79-5D, Isoprene, reaction products
 with acetic acid 78-83-1, uses 78-92-2, 2-Butanol 79-07-2 79-08-3
 79-11-8, uses 79-11-8D, Chloroacetic acid, reaction products with
 N-C10-16-alkyltrimethylenediamines 79-11-8D, Acetic acid, chloro-,
 reaction products with diethylenetriamine N-mono- and di-C8-18-alkyl
 derivs., uses 79-14-1, uses 79-20-9 79-21-0, Ethaneperoxoic acid
79-69-6 79-92-5D, 2,2-Dimethyl-3-
 methylenebicyclo[2.2.1]heptane, reaction products with 2-methoxyphenol,
 hydrogenated **80-26-2** 80-27-3 80-46-6 80-71-7 81-07-2D,
 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, salts with quaternary ammonium
 compds., benzyl-C12-18-alkyldimethyl (1:1) 81-14-1 81-15-2 81-81-2
 81-82-3 82-66-6 83-34-1 83-79-4 84-65-1, 9,10-Anthracenedione
 84-66-2 84-74-2 85-91-6 87-10-5 87-17-2 87-20-7 87-22-9
 87-90-1 88-04-0 88-06-2 88-14-2, 2-Furancarboxylic acid 88-84-6
 89-68-9 89-78-1 **89-79-2** 89-83-8 90-05-1D, Phenol,
 2-methoxy-, reaction products with 2,2-dimethyl-3-
 methylenebicyclo[2.2.1]heptane, hydrogenated 90-13-1 90-17-5
 90-43-7, [1,1'-Biphenyl]-2-ol 90-43-7D, [1,1'-Biphenyl]-2-ol,
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 Benzenecarperoxoic acid 93-65-2 93-69-6 **93-89-0** 94-13-3
 94-18-8 94-26-8 **94-36-0**, uses 94-96-2 95-14-7,
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 97-24-5 97-54-1 97-77-8 98-01-1, 2-Furancarboxaldehyde, uses
 98-11-3D, Benzenesulfonic acid, mono-C10-14-alkyl derivs., compds. with Me
 1H-benzimidazol-2-ylcarbamate, uses 98-53-3 **98-55-5** 99-49-0
 99-76-3 **99-86-5** 100-37-8 100-44-7, uses 100-51-6,
 Benzenemethanol, uses **100-52-7**, Benzaldehyde, uses 100-73-2
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 103-82-2, Benzeneacetic acid, uses **103-95-7** 104-09-6
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 104-55-2 104-60-9 **104-61-0** 104-62-1 **104-67-6**
 104-76-7 104-78-9 104-87-0 105-01-1 **105-66-8** 105-85-1
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 106-44-5, uses 106-46-7 106-70-7 106-72-9 106-73-0 106-79-6
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.beta.-Alanine, N-coco alkyl derivs. 108-16-7 108-39-4, uses
 108-64-5 108-80-5, 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione 108-88-3,
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 108-95-2D, Phenol, polypropene derivs., uses 108-99-6 109-21-7
 109-89-7, uses 110-05-4 110-15-6, Butanedioic acid, uses 110-27-0
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 110-62-3, Pentanal 110-75-8 110-86-1, Pyridine, uses 110-89-4,
 Piperidine, uses 111-11-5 111-27-3, 1-Hexanol, uses 111-30-8,
 Pentanedral 111-40-0D, 1,2-Ethanediame, N-(2-aminoethyl)-, reaction
 products with 1-chlorooctane
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
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IT 111-40-0D, Diethylenetriamine, reaction products with chloroacetic acid,
 N-mono- and di-C8-18-alkyl derivs. 111-41-1D, 2-(2-
 Aminoethyl)aminoethanol, reaction with coco fatty acids, quaternized
 111-42-2, uses 111-46-6D, Diethylene glycol, reaction products with
 formaldehyde 111-61-5 111-81-9 111-82-0 111-85-3D, 1-Chlorooctane,
 reaction products with acetic acid and diethylenetriamine 111-85-3D,
 1-Chlorooctane, reaction products with N-(2-aminoethyl)-1,2-ethanediamine
 111-92-2 112-00-5 112-02-7 112-18-5 112-34-5D,
 2-(2-Butoxyethoxy)ethanol, reaction products with formaldehyde 112-38-9,
 10-Undecenoic acid 112-39-0 112-43-6, 10-Undecen-1-ol 112-45-8,
 10-Undecenal 112-53-8, 1-Dodecanol 112-54-9, Dodecanal 112-59-4
 112-61-8 112-69-6 112-72-1, 1-Tetradecanol 112-75-4 112-80-1D,
 9-Octadecenoic acid (9Z)-, reaction products with triethanolamine, di-Me
 sulfate-quaternized, uses 112-90-3 113-48-4 114-26-1 114-63-6
 115-29-7 115-31-1 115-32-2 115-71-9 116-25-6 117-18-0 117-52-2
 118-52-5 118-55-8 **118-58-1** 118-71-8 118-79-6
119-36-8 119-61-9, uses 120-32-1 120-47-8
120-50-3 120-51-4 120-57-0, 1,3-Benzodioxole-5-carboxaldehyde
 120-72-9, 1H-Indole, uses 121-32-4 121-33-5 121-44-8, uses
 121-54-0 121-65-3 121-75-5 122-07-6 122-14-5 122-18-9 122-19-0
 122-34-9 **122-40-7** 122-42-9 122-48-5 122-67-8
122-69-0 122-70-3 **122-78-1**, Benzeneacetaldehyde
 122-97-4, Benzenopropanol 122-99-6 123-05-7 123-11-5, uses
 123-29-5 123-30-8 123-32-0 123-66-0 124-04-9, Hexanedioic acid,
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 127-90-2 **127-91-3** 128-03-0 128-04-1 128-08-5 128-09-6
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 134-20-3 134-28-1 134-62-3 135-79-5 136-45-8 136-53-8 136-77-6
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 143-08-8, 1-Nonanol 143-14-6, 9-Undecenal 143-50-0 144-55-8,
 Carbonic acid monosodium salt, uses 144-62-7, Ethanedioic acid, uses
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 302-01-2, Hydrazine, uses 330-54-1 333-41-5 334-48-5, Decanoic acid
 359-37-5 379-52-2 404-86-4 470-43-9 **470-82-6** 473-34-7
 475-20-7D, reaction products with formic acid and boron trifluoride
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 Pyridinedicarboxylic acid 502-61-4 504-24-5, 4-Pyridinamine 507-60-8
 507-70-0 514-51-2 515-00-4 515-69-5 520-45-6 527-07-1 532-32-1

533-74-4 534-18-9 535-89-7 536-59-4 **536-60-7** 538-71-6
 539-82-2 539-90-2 541-91-3 544-63-8, Tetradecanoic acid, uses
 551-92-8 556-61-6 557-08-4 576-55-6 577-11-7 582-25-2 584-79-2
 589-38-8, 3-Hexanone 589-66-2 591-12-8 597-09-1 615-62-3
 620-23-5 621-82-9, uses 624-15-7 625-51-4 626-82-4
628-63-7 638-37-9, Butanedial 639-58-7 643-79-8,
 1,2-Benzenedicarboxaldehyde 646-06-0, 1,3-Dioxolane 659-40-5
 683-10-3 688-73-3D, Stannane, tributyl-, mono(naphthenoyloxy) derivs.
692-86-4 695-10-3D, 1H-Imidazole-1-ethanol, 4,5-dihydro-,
 2-nortall-oil alkyl derivs. 696-59-3 699-02-5 705-86-2 706-14-9
 719-96-0 731-27-1 762-26-5 770-35-4 789-02-6 **821-55-6**,
 2-Nonanone 825-51-4 828-00-2 870-72-4 886-50-0 900-95-8
925-78-0, 3-Nonanone 929-73-7 959-55-7 971-66-4 991-42-4
 996-35-0 1000-82-4 1066-30-4
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
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 1120-24-7 1120-48-5 1121-30-8 1121-31-9 **1123-85-9**
 1135-66-6 1192-52-5 1205-17-0 1209-61-6 **1222-05-5**
 1300-71-6 1303-28-2, Arsenic oxide (As2O5) 1303-86-2, Boron oxide
 (B2O3), uses 1303-96-4D, Borax (B4Na2O7.10H2O), reaction products with
 sulfuric acid 1305-78-8, Calcium oxide, uses 1309-48-4, Magnesium
 oxide (MgO), uses 1310-58-3, Potassium hydroxide (K(OH)), uses
 1310-73-2, Sodium hydroxide (Na(OH)), uses 1314-13-2, Zinc oxide (ZnO),
 uses 1314-84-7, Zinc phosphide (Zn3P2) 1317-38-0, Copper oxide (CuO),
 uses 1317-39-1, Copper oxide (Cu2O), uses 1319-77-3 1320-44-1
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 chloride hydroxide (Cu2Cl(OH)3) 1333-53-5 1333-58-0 1333-82-0,
 Chromium oxide (CrO3) 1333-83-1, Sodium fluoride (Na(HF2)) 1334-78-7
 1335-10-0 1335-12-2 1335-46-2 1341-49-7, Ammonium fluoride
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 1490-04-6 1634-02-2 1643-20-5 1696-17-9 1715-30-6 1777-82-8
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 2104-96-3 2120-70-9 2155-70-6 2216-51-5 2224-44-4
2244-16-8 2244-21-5 2275-23-2 2279-96-1, Butanediperoxoic
 acid 2305-25-1 2310-17-0 2372-82-9 2374-05-2 2390-68-3
 2436-90-0 2439-10-3 2445-76-3 2463-53-8, 2-Nonenal 2491-38-5
 2492-26-4 2500-83-6 2527-57-3 2527-58-4 2565-36-8 2571-88-2
 2631-40-5 2634-33-5, 1,2-Benzisothiazol-3(2H)-one 2639-63-6
 2682-20-4 2756-56-1 2782-57-2 2832-19-1 2871-78-5 2875-41-4D,
 Glycine, N-(3-aminopropyl)-, N'-C10-16-alkyl derivs., hydrochlorides
 2893-78-9 2921-88-2 3006-10-8 3033-23-6 3064-70-8 3090-35-5
 3142-72-1 3228-02-2 3302-10-1 3313-92-6 3332-27-2 3380-34-5
 3383-96-8 3398-33-2 3547-33-9 3586-55-8 3691-35-8 3696-28-4
 3697-42-5 3710-84-7 3766-81-2 3784-03-0 3785-34-0 3811-68-5
 3811-73-2 3811-75-4 3851-97-6 3926-62-3D, Acetic acid, chloro-,
 sodium salt, reaction products with 4,5-dihydro-1H-imidazole-1-ethanol
 2-norcoco alkyl derivs. and sodium hydroxide 3926-62-3D, Sodium
 chloroacetate, reaction products with B-C12-18 alkylmethylenediamines
 3984-22-3 4075-81-4 4080-31-3 4151-50-2 4169-04-4
4180-23-8 4182-44-9 4191-73-5 4247-02-3 4299-07-4
 4299-60-9 4317-72-0 4317-79-7 4342-36-3 4454-05-1D, reaction
 products with ethanol 4525-33-1 4574-04-3 4602-84-0 4707-47-5
 4719-04-4 4724-48-5 4824-78-6 **4940-11-8** 5026-62-0
 5039-78-1 5153-25-3 5197-80-8 5329-14-6, Sulfamic acid 5332-73-0
5392-40-5 5395-50-6 5437-45-6 5454-19-3 5462-06-6

5471-51-2 5538-94-3 5538-95-4 5598-13-0 5625-90-1 5725-96-2
 5836-29-3 5915-41-3 5972-76-9 6001-64-5 6011-99-0 6051-03-2
 6152-33-6 6317-18-6 6324-78-3 6378-65-0 6413-26-9 6440-58-0
6485-40-1 6542-37-6 6582-31-6 6834-92-0 6843-97-6
 6915-15-7 6939-35-1 6988-21-2 7080-50-4 7166-19-0 7173-51-5
 7173-62-8 7281-04-1 7287-19-6 7320-34-5 7378-99-6 7440-22-4,
 Silver, uses 7440-50-8, Copper, uses 7446-20-0, Zinc sulfate
 heptahydrate 7491-20-5 7491-21-6 7492-67-3 7540-51-4 7549-37-3
 7553-56-2, Iodine, uses 7601-54-9D, Trisodium phosphate, chlorinated
 7631-89-2 7631-90-5 7632-04-4 7637-07-2D, Boron trifluoride,
 reaction products with 2-propanol and 5-ethylidenebicyclo[2.2.1]hept-2-ene
 7640-33-7 7646-85-7, Zinc chloride (ZnCl₂), uses 7647-01-0,
 Hydrochloric acid, uses 7647-15-6, Sodium bromide (NaBr), uses
 7664-38-2, Phosphoric acid, uses 7664-41-7, Ammonia, uses 7664-93-9,
 Sulfuric acid, uses 7681-49-4, Sodium fluoride (NaF), uses 7681-52-9
 7681-55-2 7681-57-4 7681-93-8 7696-12-0 7697-37-2, Nitric acid,
 uses 7699-45-8, Zinc bromide (ZnBr₂) 7704-34-9, Sulfur, uses
 7722-64-7 7722-84-1, Hydrogen peroxide (H₂O₂), uses 7722-86-3,
 Peroxymonosulfuric acid 7726-95-6, Bromine, uses 7727-21-1 7733-02-0
 7747-35-5 7757-81-5

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BIOL (Biological study); USES (Uses)

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IT 7757-83-7 7758-02-3, Potassium bromide (KBr), uses 7758-19-2
 7758-89-6, Copper chloride (CuCl) 7758-98-7, Sulfuric acid copper(2+)
 salt (1:1), uses 7758-99-8 7775-09-9 7775-27-1 7778-39-4, Arsenic
 acid (H₃AsO₄) 7778-43-0 7778-50-9 7778-54-3 7778-66-7 7779-27-3
 7779-73-9 7779-78-4 7779-81-9 7782-44-7, Oxygen, uses 7782-50-5,
 Chlorine, uses 7783-20-2, Sulfuric acid diammonium salt, uses
 7783-90-6, Silver chloride (AgCl), uses 7786-29-0 7786-30-3, Magnesium
 chloride (MgCl₂), uses 7789-09-5 7789-12-0 7789-29-9, Potassium
 fluoride (K(HF₂)) 7789-33-5, Iodine bromide (IBr) 7790-28-5
 7790-99-0, Iodine chloride (ICl) 7803-51-2, Phosphine 8000-41-7,
 Terpineol 8007-35-0 8018-01-7 9001-37-0 9002-91-9 9003-07-0D,
 Polypropylene, phenol derivs. 9003-29-6 9003-63-8 9003-99-0,
 Peroxidase 9004-82-4 9004-98-2 10028-15-6, Ozone, uses 10031-43-3
 10032-15-2 10043-35-3, Boric acid (H₃BO₃), uses 10049-04-4, Chlorine
 oxide (ClO₂) 10058-23-8 10101-41-4 10124-37-5 10154-75-3
 10187-52-7 10198-23-9 10222-01-2 10235-63-9 10294-64-1
 10332-33-9 10339-55-6 10345-79-6 10377-60-3 10378-23-1
 10380-28-6 10453-86-8 10460-00-1 10482-56-1 10486-00-7
 10543-57-4 10588-01-9 10588-15-5 10595-49-0 10605-21-7
 10605-21-7D, Methyl 1H-benzimidazol-2-ylcarbamate, compds. with
 benzenesulfonic acid mono-C10-14-alkyl derivs. 11031-45-1, Santalol
 11050-62-7 11084-85-8, Sodium hypochlorite phosphate (Na₁₃(ClO)(PO₄)₄)
 11096-42-7 12008-41-2, Boron sodium oxide (B₈Na₂₀I₃) 12062-24-7
 12069-69-1 12122-67-7 12124-97-9, Ammonium bromide ((NH₄)Br)
 12179-04-3 12267-73-1 12280-03-4 12427-38-2 13014-03-4
 13019-22-2, 9-Decen-1-ol 13052-19-2 13108-52-6 13149-79-6
 13167-25-4 13197-76-7 13254-34-7 13351-61-6 13426-91-0
 13435-05-7 13463-41-7 13463-67-7, Titanium oxide (TiO₂), uses
 13516-27-3 13517-11-8, Hypobromous acid 13532-18-8 13590-97-1
 13701-59-2 13707-65-8 13720-12-2 13755-29-8 13824-96-9
 13826-83-0 13840-33-0 13863-41-7, Bromine chloride (BrCl) 13877-91-3
 13980-04-6 14073-97-3 14371-10-9 14548-60-8 14576-08-0
 14667-55-1 14676-61-0D, 1-Propanamine, 3-(tridecyloxy)-, branched
 14762-38-0 14816-18-3 14915-37-8 14936-67-5 **15323-35-0**
 15435-29-7 15510-55-1 15627-09-5 15630-89-4 15707-23-0
 15733-22-9 15739-09-0 15809-19-5 15986-80-8 16079-88-2

16219-75-3D, 5-Ethylidenebicyclo[2.2.1]hept-2-ene, reaction products with boron trifluoride and 2-propanol 16228-00-5 **16409-43-1**

16491-36-4	16752-77-5	16828-95-8	16871-71-9	16893-85-9
16919-19-0	16949-65-8	16961-83-4	17084-08-1	17342-21-1
17804-35-2	18181-70-9	18181-80-1	18205-85-1	18339-16-7
18472-51-0	18479-54-4	18479-57-7	18675-16-6	18675-17-7
18794-84-8	18829-56-6	18854-01-8	18972-56-0	19014-05-2
19093-20-0	19379-90-9	19388-87-5	19578-81-5	19766-89-3
19819-98-8	19870-74-7	20013-73-4	20018-09-1	20543-04-8
20545-92-0	20662-57-1	20679-58-7	20834-59-7	20859-73-8, Aluminum phosphide (AlP) 21129-27-1 21145-77-7 21564-17-0
21757-82-4	21834-92-4	22009-37-6	22205-45-4, Copper sulfide (Cu2S)	
22221-10-9	22248-79-9	22781-23-3	22882-89-9	22882-91-3
22936-75-0	22981-54-0	23031-36-9	23495-12-7	23560-59-0
23564-05-8	23726-92-3	23726-94-5	23787-90-8	24019-05-4
24048-13-3	24111-17-9	24124-25-2	24291-45-0	24634-61-5
24720-09-0	24851-98-7	25068-14-8	25155-18-4	25155-29-7
25167-82-2	25225-10-9	25254-50-6	25265-71-8	25304-14-7
25377-70-2	25628-84-6	25655-41-8	25988-97-0	26002-80-2
26062-79-3	26172-55-4	26248-98-6	26354-18-7	26530-03-0
26530-20-1	26545-49-3	26617-87-8	26635-93-8	26781-23-7
27083-27-8	27176-87-0	27236-65-3	27253-29-8	27323-41-7
27697-50-3	28069-74-1	28159-98-0	28219-61-6	28302-36-5

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IT

28387-62-4	28434-00-6	28434-01-7	28558-32-9	28645-51-4,
Oxacycloheptadec-10-en-2-one		28728-61-2	28772-56-7	28777-01-7
28805-58-5	29232-93-7	29350-73-0	29463-06-7	29873-30-1
29873-33-4	29973-13-5	30007-47-7	30388-01-3	30560-19-1
30772-79-3	31075-24-8	31195-95-6	31218-83-4	31501-11-8
31512-74-0	31906-04-4	32276-75-8	32289-58-0	32388-55-9
33089-61-1	33704-61-9	33939-64-9	33972-49-5	34375-28-5
34395-72-7	34413-35-9	34681-10-2	34911-46-1	35109-57-0
35206-70-3	35285-68-8	35285-69-9	35367-38-5	35445-70-6
35554-44-0	35575-96-3	35691-65-7	35950-52-8	36059-35-5
36362-09-1	36631-23-9	36734-19-7	37139-99-4	37228-06-1
37306-10-8, Chromium copper boride		38083-17-9	38260-54-7	
38460-95-6D, 10-Undecenoyl chloride, reaction products with protein hydrolyzates, potassium salts		38465-60-0	38664-03-8	38811-14-2
39236-46-9	39300-45-3	39354-45-5	39515-40-7	39650-63-0,
1H-Benzimidazole-2-pentanamine		39660-17-8	39758-90-2	40027-80-3
40188-41-8	40596-69-8	41096-46-2	41877-16-1	42370-07-0
42436-34-0	42534-61-2	43143-11-9	44992-01-0	46830-22-2
46917-07-1	50542-90-0	50650-76-5	51015-28-2	51015-29-3
51026-28-9	51200-87-4	51566-62-2	51580-86-0	51630-58-1
52299-20-4	52304-36-6	52315-07-8	52513-11-8	52645-53-1
52684-21-6	52684-23-8	52918-63-5	53082-58-9	53488-14-5
53720-80-2	53727-58-5	54262-78-1	54406-48-3	54427-07-5, Copper boride 54464-57-2
54720-15-9		54779-21-4	55142-08-0	
55406-53-6	55566-30-8	55722-59-3	55965-84-9	56073-07-5
56073-10-0	56148-34-6	56148-37-9	56148-40-4	56289-76-0
56427-82-8	56709-13-8	56996-62-4, Glokill 77	57006-76-5	57382-78-2
57413-95-3	57503-06-7	57520-17-9	57576-09-7	57837-19-1
58206-95-4	58249-25-5	58769-20-3	59323-76-1	59324-17-3
59355-53-2, Citrex S 5	60114-62-7D, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts			
60168-88-9	60207-31-0	60207-90-1	60239-68-1	60568-05-0
60736-58-5	60763-40-8	60784-31-8	60812-23-9	61692-81-7

61692-84-0 61702-91-8 61842-86-2 62476-84-0D, Guanidine,
 N,N'-'-1,3-propanediylbis-, N-coco alkyl derivs., acetates 62755-21-9
 63085-03-0 63333-35-7 63500-71-0 63619-09-0 63943-38-4
 64359-81-5 64440-88-6 64628-44-0 64665-57-2 64988-06-3
 65059-43-0 65289-97-6 65289-98-7 65290-00-8 65400-98-8
 65630-22-0 65694-09-9 65733-16-6 65733-18-8 66062-78-0
 66063-61-4 66065-55-2D, Benzenemethanaminium, N-(3-aminopropyl)-N,N-
 dimethyl-, chloride, N-coco acyl derivs. 66091-24-5D, 1-Propanaminium,
 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates
 66204-44-2 66215-27-8 66789-18-2 66841-25-6 67100-72-5
 67171-34-0 67185-04-0 67228-83-5 67485-29-4 67508-69-4
 67633-95-8 67633-98-1 67633-99-2 67634-01-9 67634-12-2
 67634-14-4 67634-15-5 67634-25-7 67634-26-8 67747-09-5
 67772-01-4 67801-33-6 67801-44-9 67801-47-2 67845-46-9
 67846-68-8 68085-85-8 68134-42-9 68155-66-8 68155-67-9
 68188-98-7 68213-85-4 68224-19-1 68359-37-5 68480-15-9
 68480-16-0 68527-77-5 68527-84-4 68738-96-5 68797-57-9
 68890-66-4 68901-15-5 68929-85-1 68959-20-6 68991-96-8
 68991-97-9 69094-18-4 69153-35-1 70161-44-3 70680-04-5
 70680-05-6 70754-17-5 70775-75-6 70788-30-6 70799-70-1
 70862-65-6 71297-57-9 71297-58-0 71297-59-1 71646-36-1
 72089-08-8 72490-01-8 72963-72-5 73264-51-4 73337-96-9D,
 .beta.-Alanine, N-(2-aminoethyl)-N-(2-hydroxyethyl)-, N-C8-18-acyl derivs.
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (bactericide combinations in detergents)

IT

74774-67-7 75033-25-9 75147-23-8 76382-10-0D, .beta.-Alanine,
 N-(3-aminopropyl)-, N-coco alkyl derivs. 76653-57-1 76653-58-2
 76733-35-2 76749-58-1 76902-90-4 77492-36-5 77492-37-6
 77492-44-5 78144-21-5 78491-02-8 78587-05-0 79267-18-8
 79267-19-9 79267-20-2 79267-21-3 79267-22-4 81335-77-5
 81412-43-3, Tridemorph 81741-28-8 81786-73-4 81786-74-5 81786-75-6
 81867-37-0 82007-94-1 82432-76-6 82432-77-7 82432-78-8
 82633-79-2 82657-04-3 82790-32-7 82790-35-0 82790-36-1
 82790-38-3 82801-21-6 82801-25-0 82801-26-1 82801-27-2
 83145-28-2 83285-27-2 83601-71-2 84030-30-8 84233-90-9
 84233-92-1 84473-74-5 84631-78-7 84643-53-8 85264-33-1
 86115-11-9 86479-06-3 86880-59-3D, N-coco acyl derivs. 87118-95-4
 88308-77-4 88558-41-2 88995-31-7 89415-87-2 89960-92-9
 90117-66-1 91326-34-0 91465-08-6 92368-90-6 92585-24-5
 93345-88-1 93345-89-2 93345-90-5 93345-91-6 93345-92-7
 93778-80-4 93839-34-0 93856-82-7 93856-83-8 94005-95-5
 94248-21-2 94313-91-4 94361-06-5 94857-31-5 95737-68-1
 96565-37-6 97331-89-0 97331-92-5 97331-93-6 101463-69-8
 102851-06-9 103055-07-8 103298-77-7 103298-78-8 104063-25-4
 104133-05-3 104653-34-1 105024-66-6 105726-67-8 107534-96-3
 107879-22-1 108080-74-6 108166-32-1 108189-00-0 109780-03-2
 109835-67-8 109835-68-9 109835-69-0 111099-92-4 111099-93-5
 111337-53-2 114955-18-9 114955-19-0 114955-20-3 115044-19-4
 116255-48-2 118712-89-3 119515-20-7 119515-38-7 120068-37-3
 120217-93-8 120217-94-9 120983-64-4 121227-99-4 122538-65-2
 122795-41-9 125116-23-6 125770-49-2 125770-50-5 125770-51-6
 126646-06-8 126646-07-9 128275-31-0 136426-54-5 138261-41-3
 138265-88-0, Boron zinc hydroxide oxide (B12Zn4(OH)14O15) 138416-95-2
 138698-36-9 140194-01-0, 1,1,3-Propanetricarboxaldehyde 140194-02-1
 144768-02-5 146919-78-0 149118-66-1 154194-73-7 154339-84-1,
 Silver sodium zirconium phosphate (Ag0.19Na0.47Zr2(HPO4)0.34(PO4)2.66)
 154339-85-2 173291-51-5 173423-45-5, Silver sodium zirconium phosphate
 (Ag0.44Na0.25Zr2(HPO4)0.3(PO4)2.7) 187615-12-9 188739-94-8

191546-07-3 191546-08-4 199169-27-2 216770-11-5, Silver sodium zirconium phosphate (Ag0.05Na0.3Zr2(HPO4)0.65(PO4)2.35) 251089-42-6
344931-17-5D, 1-Propanaminium, 3-amino-N-[2-[(2-hydroxyethyl)amino]-2-oxoethyl]-N,N-dimethyl-, chloride, N-C16-18 acyl derivs. 351224-25-4
351224-26-5
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(bactericide combinations in detergents)

IT 9001-92-7, Protease
RL: NUU (Other use, unclassified); USES (Uses)
(bactericide combinations in detergents)

IT 87-86-5, Pentachlorophenol
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(esters with fatty acids; bactericide combinations in detergents)

IT 65-85-0, Benzoic acid, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)
(r; bactericide combinations in detergents)

L430 ANSWER 7 OF 18 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:290982 HCPLUS
DOCUMENT NUMBER: 134:312855
TITLE: Stable liquid cleaning agent compositions containing low contents of limonene
INVENTOR(S): Kubono, Yumi; Watanabe, Takayo; Takano, Katsuyuki
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001115195	A2	20010424	JP 2000-236710	20000804
PRIORITY APPLN. INFO.:			JP 1999-224220	A 19990806

AB Perfumes contain <85% limonene and perfumes having log-Pow 2.0-7.0 excluding limonene with the sum of limonene with the latter being >90%. Thus, a detergent contained 0.5% perfumes consisting of limonene 700, 1-menthol 200, menthone 50, and 1-carvone 50 parts.

IC ICM C11D003-50
ICS C11D003-18; C11D003-20

CC 46-6 (Surface Active Agents and Detergents)

ST limonene menthone menthol carvone perfume liq detergent

IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(alkyl ethers, sulfates; stable liq. cleaning agent compns. contg. low contents of limonene)

IT Glycosides
RL: TEM (Technical or engineered material use); USES (Uses)
(alkyl; stable liq. cleaning agent compns. contg. low contents of limonene)

IT Detergents
(dishwashing; stable liq. cleaning agent compns. contg. low contents of limonene)

IT Detergents
(liq.; stable liq. cleaning agent compns. contg. low contents of

limonene)
IT Surfactants
(stable liq. cleaning agent compns. contg. low contents of limonene)
IT Sulfobetaines
RL: TEM (Technical or engineered material use); USES (Uses)
(stable liq. cleaning agent compns. contg. low contents of limonene)
IT 76-22-2, Camphor 78-70-6, Linalool 88-41-5,
o-tert-Butylcyclohexyl acetate 89-78-1, Menthol 89-80-5,
Menthone 99-49-0, Carvone 115-95-7, Linalyl acetate
138-86-3, Limonene 142-19-8, Allyl heptanoate 151-05-3
, Dimethylbenzyl carbonyl acetate 470-82-6, 1,8-Cineol
507-70-0, Borneol 3681-71-8, cis-3-Hexenyl acetate 7388-22-9,
.gamma.-Methylionone 176201-25-5, Aldehyde C-14 peach 335380-17-1,
Aldehyde C16 Strawberry
RL: MOA (Modifier or additive use); USES (Uses)
(stable liq. cleaning agent compns. contg. low contents of limonene)
IT 1643-20-5, Dimethyllaurylamine oxide 9004-82-4, Polyethylene glycol
lauryl ether sulfate sodium salt 13197-76-7 25322-68-3D, Polyethylene
glycol, alkyl ethers, sulfates
RL: TEM (Technical or engineered material use); USES (Uses)
(stable liq. cleaning agent compns. contg. low contents of limonene)

L430 ANSWER 8 OF 18 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:260222 HCPLUS

DOCUMENT NUMBER: 134:282522

TITLE: **Dishwashing** detergent component with
double-controlled perfume release

INVENTOR(S): Gassenmeier, Thomas; Millhoff, Juergen; Nitsch,
Christian

PATENT ASSIGNEE(S): Henkel KGaA, Germany

SOURCE: Ger. Offen., 28 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19948667	A1	20010412	DE 1999-19948667	19991008
WO 2001027234	A1	20010419	WO 2000-EP9550	20000929
W: CA, CZ, HU, JP, KR, NO, PL, RO, SI, SK, TR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				

PRIORITY APPLN. INFO.: DE 1999-19948667 A 19991008

OTHER SOURCE(S): MARPAT 134:282522

AB The title component contains esters (e.g., succinates), ethers, acetals or
ketals of perfume alcs., aldehydes or ketones as perfume precursors
0.1-20, melttable substances (m. >30.degree.) 20-99.9, and other agents
and/or auxiliaries 0-60%. Such component releases the perfumes at the
point where they will not be destroyed and will be noticed by the user,
esp. when the **dishwashing** machine is opened after completion of
a **dishwashing** cycle. No examples are given.

IC ICM C11D003-50

CC 46-6 (Surface Active Agents and **Detergents**)

ST **dishwashing** detergent perfume release control; perfume alc
aldehyde ketone deriv controlled release **dishwashing** detergent

IT Glycosides

RL: TEM (Technical or engineered material use); USES (Uses)

(**dishwashing** detergent component with double-controlled perfume release comprising glycosides of perfume alcs.)

IT Perfumes
(**dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs.)

IT Fatty acids, uses
Paraffin waxes, uses
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(**dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs. and)

IT Detergents
(**dishwashing; dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs.)

IT Amino acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(esters; **dishwashing** detergent component with double-controlled perfume release comprising esters of perfume alcs.)

IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(esters; **dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs. and)

IT Alcohols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(fatty, C12-24; **dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs. and)

IT Carboxylic acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(oxo, esters; **dishwashing** detergent component with double-controlled perfume release comprising esters of perfume alcs.)

IT Alcohols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(perfume, derivs.; **dishwashing** detergent component with double-controlled perfume release comprising)

IT Aldehydes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(perfume; **dishwashing** detergent component with double-controlled perfume release comprising acetals of)

IT Ketones, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(perfume; **dishwashing** detergent component with double-controlled perfume release comprising ketals of)

IT 60-12-8D, Phenylethyl alcohol, esters, acetals and ketals 71-41-0D, n-Pentanol, esters, acetals and ketals 78-69-3D, Tetrahydrolinalool, esters, acetals and ketals 78-70-6D, Linalool, esters, acetals and ketals 89-79-2D, Isopulegol, esters, acetals and ketals 89-83-8D, Thymol, esters, acetals and ketals 97-53-0D, Eugenol, esters, acetals and ketals 97-54-1D, Isoeugenol, esters, acetals and ketals 98-52-2D, 4-tert-Butylcyclohexanol, esters, acetals and ketals 98-55-5D, .alpha.-Terpineol, esters, acetals and ketals 98-85-1D, .alpha.-Methylbenzyl alcohol, esters, acetals and ketals 100-51-6D, Benzyl alcohol, esters, acetals and ketals 100-86-7D, Dimethylbenzyl carbinol, esters, acetals and ketals 104-54-1D, Cinnamic alcohol, esters, acetals and ketals 105-30-6D, esters, acetals

and ketals 106-21-8D, Tetrahydrogeraniol, esters, acetals and ketals 106-22-9D, Citronellol, besters, acetals and ketals 106-24-1D, Geraniol, esters, acetals and ketals 106-25-2D, Nerol, esters, acetals and ketals 108-95-2D, Phenol, esters, acetals and ketals, uses 110-15-6D, Succinic acid, esters with perfume alcs. 111-27-3D, n-Hexanol, esters, acetals and ketals 111-70-6D, 1-Heptanol, esters, acetals and ketals 111-87-5D, 1-Octanol, esters, acetals and ketals, uses 112-30-1D, Decanol, esters, acetals and ketals 112-42-5D, Undecanol, esters, acetals and ketals 112-43-6D, 10-Undecen-1-ol, esters, acetals and ketals 116-02-9D, 3,5,5-Trimethylcyclohexanol, esters, acetals and ketals 118-55-8D, Phenyl salicylate, esters, acetals and ketals 118-58-1D, Benzyl salicylate, esters, acetals and ketals 118-61-6D, Ethyl salicylate, esters, acetals and ketals 121-32-4D, Ethyl vanillin, esters, acetals and ketals 121-33-5D, Vanillin, esters, acetals and ketals 122-97-4D, 3-Phenylpropanol, esters, acetals and ketals 122-99-6D, 2-Phenoxyethanol, esters, acetals and ketals 124-76-5D, Isoborneol, esters, acetals and ketals 137-32-6D, esters, acetals and ketals 138-87-4D, .beta.-Terpineol, esters, acetals and ketals 143-08-8D, Nonanol, esters, acetals and ketals 515-00-4D, Myrtenol, esters, acetals and ketals 584-02-1D, 3-Pentanol, esters, acetals and ketals 589-98-0D, 3-Octanol, esters, acetals and ketals 623-37-0D, 3-Hexanol, esters, acetals and ketals 1123-85-9D, 2-Phenylpropanol, esters, acetals and ketals 1333-49-9D, Dimethyloctanol, esters, acetals and ketals 1343-98-2D, Silicic acid, esters with perfume alcs. 1490-04-6D, Menthol, esters, acetals and ketals 2050-08-0D, Amyl salicylate, esters, acetals and ketals 2052-14-4D, Butyl salicylate, esters, acetals and ketals 4621-04-9D, 4-Isopropylcyclohexanol, esters, acetals and ketals 5502-75-0D, p-Menth-7-ol, esters, acetals and ketals 6259-76-3D, Hexyl salicylate, esters, acetals and ketals 7664-38-2D, Phosphoric acid, esters with perfume alcs., uses 13019-22-2D, 9-Decen-1-ol, esters, acetals and ketals 13254-34-7D, 2,6-Dimethylheptan-2-ol, esters, acetals and ketals 13491-79-7D, 2-tert-Butylcyclohexanol, esters, acetals and ketals 18409-17-1D, trans-2-Octenol, esters, acetals and ketals 20851-55-2D, 4-Hepten-1-ol, esters, acetals and ketals 25485-88-5D, Cyclohexyl salicylate, esters, acetals and ketals 28069-72-9D, trans-2-cis-6-Nonadienol, esters, acetals and ketals 29063-28-3D, Octanol, esters, acetals and ketals 30385-25-2D, Dihydromyrcenol, esters, acetals and ketals 31502-14-4D, trans-2-Nonen-1-ol, esters, acetals and ketals 40709-05-5D, 6-Nonen-1-ol, esters, acetals and ketals 55066-48-3D, 3-Methyl-5-phenylpentanol, esters, acetals and ketals 93862-10-3D, Dimethylheptanol, esters, acetals and ketals 333717-33-2D, esters, acetals and ketals

RL: TEM (Technical or engineered material use); USES (Uses)

(**dishwashing** detergent component with double-controlled perfume release comprising perfume alc. derivs.)

IT 112-92-5, 1-Octadecanol 143-28-2 506-44-5, all-cis-9,12,15-Octadecatrien-1-ol 25322-68-3, Polyethylene glycol 25322-69-4, Polypropylene glycol 30303-65-2, Docosanol 36653-82-4, 1-Hexadecanol 71893-54-4

RL: TEM (Technical or engineered material use); USES (Uses)

(**dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs. and)

IT 80-54-6D, acetals 93-53-8D, Hydratropaldehyde, acetals 103-95-7D, Cyclamal, acetals 106-23-0D, Citronellal, acetals 107-75-5D, Hydroxycitronellal, acetals 112-54-9D, Dodecanal, acetals 124-13-0D, Octanal, acetals 5392-40-5D, Citral, acetals 39350-49-7D, Hexylcinnamicaldehyde, acetals 67634-15-5D, Floralozone,

acetals 68039-49-6D, Triplal, acetals
 RL: TEM (Technical or engineered material use); USES (Uses)
 (dishwashing detergent component with double-controlled
 perfume release comprising perfume aldehyde derivs.)
 IT 93-08-3D, Methyl .beta.-naphthyl ketone, ketals 99-49-0D, Carvone,
 ketals 110-43-0D, Methyl amyl ketone, ketals 112-12-9D, Methyl
 nonyl ketone, ketals 123-54-6D, 2,4-Pentanedione, ketals, uses
 127-41-3D, .alpha.-Ionone, ketals 637-88-7D,
 1,4-Cyclohexanedione, ketals 2550-26-7D, Benzylacetone, ketals
 2630-39-9D, Methyl dihydrojasmonate, ketals 3796-70-1D, Geranylacetone,
 ketals 7388-22-9D, .gamma.-Methyliionone, ketals 84607-57-8D,
 .beta.-Ionene, ketals
 RL: TEM (Technical or engineered material use); USES (Uses)
 (dishwashing detergent component with double-controlled
 perfume release comprising perfume ketone derivs.)

L430 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:64109 HCAPLUS
 DOCUMENT NUMBER: 134:133312
 TITLE: Perfume compositions for laundry detergents and bleach
 INVENTOR(S): Burggraeve, Willy; Van Spaendonk, Vincentius Henricus
 Adrianus Maria; Dresco, Pierre Antoine
 PATENT ASSIGNEE(S): Procter and Gamble Company, USA
 SOURCE: PCT Int. Appl., 96 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005919	A2	20010125	WO 2000-US19369	20000714
WO 2001005919	A3	20010802		
	W:	AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
EP 1072673	A2	20010131	EP 2000-870065	20000410
EP 1072673	A3	20010321		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO		
BR 2000012672	A	20020409	BR 2000-12672	20000714
PRIORITY APPLN. INFO.:			EP 1999-870163	A 19990720
			EP 2000-870065	A 20000410
			WO 2000-US19369	W 20000714

AB A laundry and cleaning compn. comprises a bleaching system and a perfume
 compn. selected from .gtoreq.40% unsatd. perfume ingredients of ester,
 ether, alc., aldehyde, ketone, nitrile, lactone, schiff-bases, terpenes
 and derivs., cyclic alkene, cyclic oxide, oxime, and their mixts.
 IC ICM C11D003-00
 CC 46-5 (Surface Active Agents and Detergents)
 ST perfume unsatd compd laundry detergent

IT Detergents
(dishwashing; stable perfume compns. for laundry detergents contg. bleach)

IT Unsaturated compounds
RL: MOA (Modifier or additive use); USES (Uses)
(lactones; stable perfume compns. for laundry detergents contg. bleach)

IT Detergents
(laundry; stable perfume compns. for laundry detergents contg. bleach)

IT Bleaching agents
Fabric softeners
Perfumes
(stable perfume compns. for laundry detergents contg. bleach)

IT Alcohols, uses
Aldehydes, uses
Cycloalkenes
Esters, uses
Ethers, uses
Ketones, uses
Lactones
Nitriles, uses
Oximes
Schiff bases
Terpenes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(unsatd.; stable perfume compns. for laundry detergents contg. bleach)

IT 78-70-6, Linalool 91-64-5, 1,2-Benzopyrone 104-54-1,
3-Phenyl-2-propen-1-ol 106-22-9, 3,7-Dimethyl-6-octen-1-ol 106-23-0,
3,7-Dimethyl-6-octen-1-al 106-24-1, Geraniol 111-79-5, Methyl
2-nonenoate 127-91-3, ..beta..-Pinene 150-84-5,
Citronellyl acetate 562-74-3 586-62-9, Terpinolene
928-96-1, cis-3-Hexenol 1118-39-4 1191-16-8
2305-21-7, 2-Hexen-1-ol 3155-71-3 3391-86-4, Amyl vinyl
carbinol 5146-66-7, 3,7-Dimethyl-2,6-octadienenitrile
7779-81-9, Isobutyl angelate 8000-41-7, Terpineol 13019-22-2,
9-Decen-1-ol 14303-70-9, Propyl Myristate 14374-92-6, Pelargene
18479-58-8, 2,6-Dimethyl-7-octen-2-ol 19089-92-0, Hexyl 2-butoenoate
24237-00-1 28219-61-6, Sanjinol 28371-99-5, Trimofix O 30385-25-2,
Dihydro myrcenol 30631-14-2, Floralol 34902-57-3, Oxacyclohexadecen-2-
one 35044-59-8 35206-51-0 43052-87-5, ..alpha..-Damascone
50607-64-2 53018-24-9 54464-57-2, Iso E Super 56922-75-9
56973-85-4, 4-Penten-1-one-,1-(5,5-dimethyl-1-cyclohexen-1-yl)
63512-40-3 65113-99-7 65405-77-8 66327-54-6 68039-73-6
68419-46-5, 2,7-Dimethyloct-5-en-4-one 68845-02-3 68845-36-3
68901-15-5 72403-67-9 76842-49-4, Frutene 77851-07-1
80449-58-7, Vertofix coeur 81782-77-6, 4-Methyl-3-decen-5-ol
81786-73-4, Acetylidiisoamylene 92585-24-5, 2-Methyl-4-phenyl-1-pentanol
93893-89-1 93939-86-7 96518-30-8 97384-48-0 134769-33-8,
3,12-Tridecadiene nitrile 321745-89-5 321848-12-8
RL: MOA (Modifier or additive use); USES (Uses)
(stable perfume compns. for laundry detergents contg. bleach)

L430 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:785893 HCAPLUS
DOCUMENT NUMBER: 133:336905
TITLE: Built granular automatic dishwashing
compositions comprising blooming perfume for cleansing
dishware, glassware, and cooking/eating
utensils
INVENTOR(S): Trinh, Toan; Bacon, Dennis Ray; Chung, Alex Haejoon;

PATENT ASSIGNEE(S): Blondin, Patricia Ann
 Procter & Gamble Co., USA
 SOURCE: U.S., 25 pp., Cont.-in-part of U.S. Ser. No. 618,522,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6143707	A	20001107	US 1998-25480	19980218
CA 2249281	AA	19970925	CA 1997-2249281	19970308

PRIORITY APPLN. INFO.: US 1996-618522 B2 19960319

AB Automatic **dishwashing** detergent compns. comprise a blooming perfume compn. contg. blooming perfume ingredients selected from those having a b.p. .ltorsim.260.degree. and a ClogP .gtorsim.3, and where the perfume compn. comprises .gtoreq.5 different blooming perfume ingredients, bleaching agent, 10-75% builder, and optionally, bleach catalysts, adjunct materials, and moisture-activated encapsulated perfume particles selected from cyclodextrin/perfume inclusion complexes and water sol. matrix perfume microcapsules. Preferred automatic **dishwashing** compns. further comprise amylase and/or protease enzymes. An example blooming perfume agent contained dihydro myrcenol, .alpha.-pinene, para-cymene, isononyl alc., tetrahydro linalool, d-limonene, verdox, and delayed blooming agents camphor gum, di-Me benzyl carbinol, eucalyptol, fenchyl alc., and dimetol.

IC ICM C11D003-50

ICS C11D003-395

NCL 510220000

CC 46-5 (Surface Active Agents and **Detergents**)

ST blooming perfume automatic **dishwashing** detergent; amylase protease perfume automatic **dishwashing** detergent; bleach perfume automatic **dishwashing** detergent

IT Bleaching agents

Detergent builders

Perfumes

(built granular automatic **dishwashing** compns. comprising blooming perfume, builders, bleach, and encapsulated perfume for cleansing **dishware**, glassware, and cooking/eating utensils)

IT Detergents

(**dishwashing**, granular; built granular automatic **dishwashing** compns. comprising blooming perfume, builders, bleach, and encapsulated perfume for cleansing **dishware**, glassware, and cooking/eating utensils)

IT 60-12-8, Phenyl Ethyl Alcohol 75-85-4, Ethyl Dimethyl Carbinol 78-69-3, Tetrahydro Linalool 78-70-6, Linalool

79-92-5, Camphene 80-26-2, .alpha.-Terpinyl acetate

80-56-8, .alpha.-Pinene 88-41-5, Verdox 89-79-2

, Isopulegol 89-80-5, Menthone 89-82-7, (+)-Pulegone

91-16-7 93-15-2, Methyl Eugenol 93-58-3, Methyl

benzoate 93-89-0, Ethyl Benzoate 93-92-5, Methyl

Phenyl Carbaryl Acetate 94-59-7, Safrole 97-53-0,

Eugenol 99-85-4, .gamma.-Terpinene 99-86-5,

.alpha.-Terpinene 99-87-6 100-06-1 100-51-6, Benzenemethanol, uses

100-52-7, Benzaldehyde, uses 100-66-3, uses

100-86-7, Dimethyl Benzyl Carbinol 101-84-8

101-97-3, Ethyl Phenyl Acetate 103-37-7, Benzyl butyrate

103-38-8, Benzyl Iso Valerate **103-45-7**, 2-Phenyl Ethyl Acetate
104-50-7, .gamma.-Octalactone **104-54-1** **104-57-4**
, Benzyl Formate **104-61-0** **104-65-4**, Cinnamyl Formate
104-93-8 **105-54-4**, Ethyl butanoate **105-66-8**, Propyl
Butanoate **105-86-2**, Geranyl Formate **105-87-3**, Geranyl Acetate
106-21-8, 3,7 Dimethyl-1-Octanol **106-22-9**, Citronellol
106-24-1, trans-Geraniol **106-25-2**, Nerol **106-44-5**, uses
106-68-3, Ethyl Amyl Ketone **107-75-5**, Hydroxycitronellal
110-41-8, Methyl-n-Nonyl Acetaldehyde **110-43-0**, Methyl
Pentyl Ketone **110-93-0**, Methyl Heptenone **111-13-7**,
Methyl Hexyl Ketone **112-31-2**, Decyl Aldehyde **112-54-9**,
Lauraldehyde **115-95-7**, Linalyl Acetate **115-99-1**, Linalyl
Formate **119-36-8**, Methyl Salicylate **119-65-3**,
Isoquinoline **120-50-3**, Isobutyl Benzoate **120-72-9**, Indole,
uses **122-00-9** **122-03-2**, Cumic aldehyde **122-63-4**,
Benzyl Propionate **122-78-1**, Phenyl Acetaldehyde **122-99-6**,
2-Phenoxy Ethanol **123-11-5**, p-Anisaldehyde, uses **123-35-3**,
.beta.-Myrcene **123-51-3** **123-68-2**, Allyl caproate
123-96-6, 2-Octanol **124-13-0**, Octyl Aldehyde
124-19-6, Nonyl Aldehyde **125-12-2**, Isobornyl Acetate
127-41-3, .alpha.-Ionone **127-91-3**, .beta.-Pinene
134-20-3 **140-11-4**, Benzyl Acetate **140-67-0**, Methyl Chavicol
141-12-8, Neryl Acetate **141-14-0**, Citronellyl propionate
141-78-6, Acetic acid ethyl ester, uses **141-97-9**, Ethyl
acetoacetate **142-19-8**, Allyl Heptoate **142-92-7**, Hexyl
Acetate **143-13-5**, Nonyl Acetate **150-84-5**, Citronellyl
Acetate **151-05-3**, Dimethyl Benzyl Carbonyl Acetate
464-49-3, (+)-Camphor **470-82-6**, Eucalyptol
488-10-8, cis-Jasmone **499-75-2**, Carvacrol
536-60-7, Cumic Alcohol **562-74-3**, 4-Terpinenol
624-54-4, Amyl Propionate **628-63-7**, Amyl Acetate
629-33-4, Hexyl Formate **673-84-7**, Allo-Ocimene
821-55-6, Methyl Heptyl Ketone **925-78-0**, Ethyl Hexyl
Ketone **928-94-9** **928-96-1**, cis-3-Hexen-1-ol **1123-85-9**
, Hydratropic Alcohol **1191-16-8**, Prenyl Acetate
1632-73-1, Fenchyl Alcohol **2244-16-8**, (+)-Carvone
2463-77-6, 2-Undecenal **2550-26-7**, Benzyl Acetone
2623-23-6 **2705-87-5**, Allyl cyclohexanepropionate
3681-71-8, cis-3-Hexenyl Acetate **4180-23-8**
4861-85-2, Isopropylphenylacetate **5146-66-7**, Geranyl
Nitrile **5392-40-5**, Citral **5434-57-1** **5989-27-5** **5989-33-3**,
Linalool oxide **6485-40-1**, L-Carvone **13851-11-1**,
Fenchyl Acetate **15439-16-4**, Cyclal **16409-43-1**, Rose
Oxide **16930-96-4**, Hexyl Tiglate **18479-57-7**, Tetrahydro
Myrcenol **19009-56-4**, Methyl Octyl Acetaldehyde
21722-83-8, Cyclohexyl Ethyl Acetate **27458-94-2**,
Isononyl Alcohol **29350-73-0**, Cadinene **30385-25-2**, Dihydromyrcenol
32210-23-4, Vertenex **40379-24-6**, Isononyl Acetate
41519-23-7, cis-3-Hexenyl Isobutyrate **51566-62-2**,
Citronellyl Nitrile **54140-14-6** **57576-09-7**, Isopulegyl acetate
67883-79-8, cis-3-Hexenyl Tiglate **68039-49-6**, Ligustral
76842-49-4, Frutene **88969-41-9**, Dihydromyrcenyl Acetate
RL: MOA (Modifier or additive use); USES (Uses)
(built granular automatic **dishwashing** compns. comprising
blooming perfume, builders, bleach, and encapsulated perfume for
cleansing **dishware**, glassware, and cooking/eating utensils)

REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L430 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1998:151204 HCAPLUS
 DOCUMENT NUMBER: 128:194007
 TITLE: Automatic **dishwashing** detergents comprising
 .beta.-keto esters as fragrance delivery compounds
 INVENTOR(S): Sivik, Mark Robert; Severns, John Cort; Costa, Jill
 Conham
 PATENT ASSIGNEE(S): Procter & Gamble Company, USA; Sivik, Mark Robert;
 Severns, John Cort; Costa, Jill Conham
 SOURCE: PCT Int. Appl., 76 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 10
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9807812	A2	19980226	WO 1997-US14615	19970819
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9739859	A1	19980306	AU 1997-39859	19970819
EP 922083	A2	19990616	EP 1997-937322	19970819
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
BR 9711316	A	19990817	BR 1997-11316	19970819
CN 1233281	A	19991027	CN 1997-198731	19970819
CN 1233282	A	19991027	CN 1997-198732	19970819
CN 1233283	A	19991027	CN 1997-198733	19970819
CN 1233284	A	19991027	CN 1997-198758	19970819
CN 1233947	A	19991103	CN 1997-198887	19970819
JP 2000516662	T2	20001212	JP 1998-510911	19970819
US 6083892	A	20000704	US 1999-242624	19990219
PRIORITY APPLN. INFO.:			US 1996-24117P	P 19960819
			WO 1997-US14615	W 19970819

OTHER SOURCE(S): MARPAT 128:194007

AB The title detergents which provide an aesthetically pleasurable benefit to tableware and the automatic **dishwashing** appliance comprise .beta.-keto ester pro-fragrance compds. R1R2R3CCOR [R = alkoxy group derived from a fragrance raw material alc.; R1-R3 = H, C1-30 alkyl, C3-30 cycloalkyl, C6-30 (alkylene)aryl; R1R2R3 can form C6-30 (un)substituted ring, etc.] capable of releasing fragrance raw materials. A method for providing lasting fragrance to **dishware** and to automatic **dishwashing** appliances is also claimed. A typical detergent contained Na tripolyphosphate 45.0, Na₂CO₃ 13.5, hydrated silicate 13.5, Poly-Tergent SLF 18B (nonionic surfactant) 2.0, Tergitol 1559 (ethoxylated secondary alc.) 1.0, protease 0.83, amylase 0.5, Na perborate monohydrate 14.5, Mn complex bleach catalyst 0.009, Bz2O₂ 4.4, 3,7-dimethyl-1,6-octadien-3-yl 3-(.beta.-naphthyl)-3-oxopropionate [prepn. by condensation of linalyl acetate with 2-naphthoyl chloride in presence of (Me₂CH)₂NLi in THF given] 1.7, minors, salts and H₂O balance.

IC ICM C11D003-00
 CC 46-6 (Surface Active Agents and **Detergents**)
 ST **dishwashing** detergent keto ester profragrance; fragrance

precursor keto ester **dishwashing** detergent; methyloctadienyl naphthyloxopropionate prepn profragrance **dishwashing** detergent

IT Surfactants
(amphoteric; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Surfactants
(anionic; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Perfumes
(automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Surfactants
(cationic; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Detergents
(**dishwashing**; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Surfactants
(nonionic; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Carboxylic acids, uses
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(oxo, esters; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Surfactants
(zwitterionic; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 25456-03-5P 203174-46-3P 203174-48-5P 203174-50-9P 203174-52-1P
203174-54-3P 203174-56-5P 203174-58-7P 203174-60-1P 203174-62-3P
203174-68-9P 203174-71-4P 203174-73-6P 203174-74-7P 203174-75-8P
203174-76-9P 203174-77-0P 203174-78-1P 203260-01-9P 203516-69-2P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 100-07-2, p-Methoxybenzoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with dihydromyrcenyl acetate; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 78-70-6, Linalool 53219-21-9, Dihydromyrcenol
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with diketene; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 764-85-2, Nonanoyl chloride 879-18-5, 1-Naphthoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with dimethyloctadienyl acetate; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 100-44-7, Benzyl chloride, reactions 2528-61-2, Heptanoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with dimethyloctadienyl oxobutyrate; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 122-04-3, p-Nitrobenzoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with dimethyloctenyl acetate; automatic **dishwashing** detergents comprising .beta.-keto esters as

fragrance delivery compds.)

IT 674-82-8, Diketene
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (condensation with linalool; automatic **dishwashing** detergents
 comprising .beta.-keto esters as fragrance delivery compds.)

IT 2243-83-6, 2-Naphthoyl chloride
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (condensation with linalyl acetate; automatic **dishwashing**
 detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 80-26-2 115-95-7, Linalyl acetate 3681-71-8,
 cis-3-Hexenyl acetate 50816-18-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (condensation with naphthoyl chloride; automatic **dishwashing**
 detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 88969-41-9, Dihydromyrcenyl acetate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (condensation with p-methoxybenzoyl chloride; automatic
dishwashing detergents comprising .beta.-keto esters as
 fragrance delivery compds.)

L430 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:810266 HCAPLUS
 DOCUMENT NUMBER: 128:24310
 TITLE: Perfumed particulate detergent compositions for hand
dishwashing
 INVENTOR(S): Trinh, Toan; Bacon, Dennis R.; Blondin-Cook, Patricia
 A.; Chung, Alex H.
 PATENT ASSIGNEE(S): Procter and Gamble Company, USA
 SOURCE: Brit. UK Pat. Appl., 38 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2311296	A1	19970924	GB 1997-5617	19970318
GB 2311296	B2	19991229		

PRIORITY APPLN. INFO.: US 1996-590551 19960319
 US 1996-770194 19961220

AB Disclosed are perfumed, dry particulate detergent and detergent/bleach
 compns. comprising anionic surfactant; solid builder and/or filler
 materials; and a blooming perfume compn. The components of the blooming
 perfume compn. are defined by their b.p. and their octanol/water partition
 coeff. Such compns., which optionally contain a Cl bleach, are useful for
 the hand washing of cook and/or eating utensils. The perfume component
 utilized therein is ready noticeable to the user of the compn. but does
 not spot or film surfaces washed using such compns. Thus, a detergent was
 obtained from a linear alkylbenzenesulfonate 25, Na tripolyphosphate 40,
 Na silicate 7.5, a blooming perfume 1.2, CM cellulose 1 and balance of
 water to 100%.

IC ICM C11D003-50
 ICI C11D003-50, C11D001-02, C11D001-12, C11D003-02, C11D003-06, C11D003-065,
 C11D003-08, C11D003-10

CC 46-6 (Surface Active Agents and **Detergents**)
 ST hand **dishwashing** detergent blooming perfume
 IT Patchouli

(blooming perfumes for particulate detergent compns. contg. anionic

surfactants, solid builders or/and fillers)
IT Perfumes
(blooming, in perfumed particulate detergent compns. contg. anionic surfactants, solid builders or/and fillers)
IT Detergents
(dishwashing, for hand washing; compns. contg. anionic surfactants, solid builders or/and fillers and blooming perfumes of)
IT Terpenes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(orange; blooming perfumes for particulate detergent compns. contg. anionic surfactants, solid builders or/and fillers)
IT 60-12-8, Benzeneethanol 78-69-3 78-70-6
79-92-5 80-26-2 80-56-8 87-44-5
88-41-5 89-43-0 98-55-5 99-87-6 100-86-7
101-84-8 101-86-0 105-86-2 105-87-3 106-22-9
106-24-1 106-25-2 112-31-2, Decanal 115-95-7
119-61-9, uses 122-63-4 123-11-5, uses 123-35-3
125-12-2 127-41-3 127-91-3 470-82-6
488-10-8 562-74-3 586-62-9 1333-49-9
1632-73-1 2050-08-0 2630-39-9 3681-71-8
5392-40-5 5989-27-5 6259-76-3 7388-22-9 7585-39-9D,
.beta.-Cyclodextrin, inclusion compds. with perfumes 8000-41-7,
Terpineol 13254-34-7 18479-57-7 21677-96-3
27458-94-2, Isononanol 30385-25-2 51566-62-2
58985-02-7
RL: MOA (Modifier or additive use); USES (Uses)
(blooming perfumes for particulate detergent compns. contg. anionic surfactants, solid builders or/and fillers)
IT 76-22-2
RL: MOA (Modifier or additive use); USES (Uses)
(gum, blooming perfumes for particulate detergent compns. contg. anionic surfactants, solid builders or/and fillers)

L430 ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:805812 HCAPLUS
DOCUMENT NUMBER: 128:49876
TITLE: Detergent compositions for laundry and
dishwashing, comprising cationic ester
surfactants and perfume compositions
INVENTOR(S): Dodd, Ian Martin; Thoen, Christiaan Arthur; Moss,
Michael Alan John; Cunningham, Philip Andrew
PATENT ASSIGNEE(S): Procter & Gamble Company, USA; Dodd, Ian Martin;
Thoen, Christiaan Arthur; Moss, Michael Alan John;
Cunningham, Philip Andrew
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9745511	A1	19971204	WO 1997-US8234	19970515
W: BR, CA, MX, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
GB 2313601	A1	19971203	GB 1996-11322	19960531
EP 906384	A1	19990407	EP 1997-925580	19970515
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				

BR 9709507	A 19990810	BR 1997-9507	19970515
PRIORITY APPLN. INFO.:		GB 1996-11322	19960531
		WO 1997-US8234	19970515

OTHER SOURCE(S): MARPAT 128:49876

AB The title perfume compns. contain a perfume component with a mol. wt. 150-350 or a precursor thereto, present at a level of 0.5-90% in the perfume compn. The cationic ester surfactants may be chosen from RCO₂(CH₂)₂-3N+Me₃, RCO₂CH₂CH₂N+Me₂CH₂CH₂OH and RCO₂CH₂CH₂N+Et₂Me, and a perfume compn. comprised benzyl salicylate 25, 4-tert-butylcyclohexyl acetate 15, .alpha.-hexylcinnamic aldehyde 15, benzyl acetate 10, 4-acetoxy-3-pentyltetrahydropyran 8, amyl salicylate 7, citronellal 7, tetrahydrolinanol 5, .alpha.-amylcinnamic aldehyde 5, and 7-acetyl-1,1,6,7-tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalene 3 parts.

IC ICM C11D001-62

CC 46-6 (Surface Active Agents and Detergents)

ST cationic ester surfactant laundry **dishwashing** detergent; perfume quaternary ammonium ester detergent

IT Patchouli
(acid-washed perfume; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Surfactants
(cationic; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Perfumes
(detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Detergents
(**dishwashing**; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(esters, surfactants; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Detergents
(laundry; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Esters, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(quaternary ammonium, surfactants; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Oak moss
(synthetic perfume; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT 60-12-8, 2-Phenylethanol 78-69-3, Tetrahydrolinalool
80-54-6 91-64-5, Coumarin 101-86-0, .alpha.-Hexylcinnamic aldehyde
106-23-0, Citronellal 106-24-1, Geraniol 118-58-1, Benzyl
salicylate 122-40-7 140-11-4, Benzyl acetate 1222-05-5,
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[g]-2-benzopyran
1333-52-4, Methyl naphthyl ketone 1506-02-1 2050-08-0, Amyl salicylate
5471-51-2, 4-(p-Hydroxyphenyl)butan-2-one 18871-14-2,
4-Acetoxy-3-pentyltetrahydropyran 32210-23-4,
4-tert-Butylcyclohexyl acetate 54464-57-2 68845-02-3 136897-67-1
186309-28-4, Karanal
RL: NUU (Other use, unclassified); USES (Uses)

(perfume; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

L430 ANSWER 14 OF 18 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1997:640747 HCPLUS
 DOCUMENT NUMBER: 127:308659
 TITLE: Built automatic **dishwashing** compositions comprising blooming perfume
 INVENTOR(S): Trinh, Toan; Bacon, Dennis Ray; Blondin-Cook, Patricia Ann; Chung, Alex Haejoon
 PATENT ASSIGNEE(S): Procter & Gamble Co., USA
 SOURCE: PCT Int. Appl., 67 pp.
 CODEN: PIIXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9734987	A1	19970925	WO 1997-US3642	19970308
W: BR, CA, JP, MX				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2249281	AA	19970925	CA 1997-2249281	19970308
EP 888441	A1	19990107	EP 1997-914923	19970308
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 11507096	T2	19990622	JP 1997-533509	19970308
PRIORITY APPLN. INFO.:			US 1996-618522	A 19960319
			WO 1997-US3642	W 19970308

AB Automatic **dishwashing** detergent compns. comprise .gtoreq.50% blooming perfume ingredients having a b.p. .ltorsim.260.degree. and a log Pcalc. (ClogP) .gtorsim.3, and .gtoreq.5 different blooming perfume ingredients, bleaching agent, 10-75% builder, and optionally bleach catalysts. Preferred automatic **dishwashing** compns. further comprise amylase and/or protease enzymes for improved tea stain removal.

IC ICM C11D003-50

ICS C11D003-395; C11D003-39

CC 46-6 (Surface Active Agents and Detergents)

ST blooming perfume automatic **dishwashing** detergent; amylase protease perfume automatic **dishwashing** detergent; bleach perfume automatic **dishwashing** detergent

IT Perfumes

(blooming and delayed blooming; built automatic **dishwashing** compns. comprising bleach, builder, and blooming perfume)

IT Detergents

(**dishwashing**, automatic; built automatic **dishwashing** compns. comprising bleach, builder, and blooming perfume)

IT 60-12-8, Phenyl ethyl alcohol 76-22-2, Camphor 77-83-8, Ethyl methyl phenyl glycidate 78-69-3, Tetrahydro linalool 78-70-6 79-69-6, .alpha.-Irone 79-76-5, .gamma.-Ionone 79-77-6, .beta.-Ionone 79-92-5, Camphene 80-54-6, Lilial 80-56-8, .alpha.-Pinene 85-91-6, Methyl N-methyl anthranilate 87-44-5, .beta.-Caryophyllene 88-41-5, Verodox 89-48-5, Menthyl acetate 89-79-2, Isopulegol 89-80-5, Menthone 89-82-7, Pulegone 91-16-7, Veratrol 93-15-2, Methyl eugenol 93-58-3 93-89-0, Ethyl benzoate 93-92-5, Methyl phenyl carbonyl acetate 94-59-7, Safrole 97-53-0, Eugenol 97-89-2, Citronellyl isobutyrate 98-55-5, .alpha.-Terpineol 99-85-4, .gamma.-Terpinene

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99-86-5, .alpha.-Terpinene 99-87-6, p-Cymene 100-06-1,
p-Methoxy acetophenone 100-51-6, Benzyl alcohol, uses 100-52-7
, Benzaldehyde, uses 100-66-3, uses 100-86-7, Dimethyl
benzyl carbinol 101-84-8, Diphenyl oxide 101-97-3,
Ethyl phenyl acetate 103-05-9, Phenyl ethyl dimethyl carbinol
103-37-7, Benzyl butyrate 103-38-8, Benzyl isovalerate
103-45-7 104-46-1, Anethol 104-54-1, Cinnamic alcohol
104-57-4, Benzyl formate 104-61-0, .gamma.-Nonalactone
104-65-4, Cinnamyl formate 104-93-8 105-54-4, Ethyl
butyrate 105-66-8, Propyl butyrate 105-86-2, Geranyl
formate 105-87-3, Geranyl acetate 106-22-9 106-24-1
106-25-2 106-44-5, p-Cresol, uses 106-68-3, Ethyl amyl ketone
107-75-5, Hydroxycitronellal 110-41-8, Methyl nonyl
acetaldehyde 110-43-0, Methyl amyl ketone 110-93-0
111-13-7, Methyl hexyl ketone 111-87-5, Octyl alcohol, uses
112-31-2, Decyl aldehyde 112-54-9, Lauric aldehyde
115-95-7, Linalyl acetate 115-99-1, Linalyl formate 119-36-
8, Methyl salicylate 119-65-3, Isoquinoline
120-50-3, Isobutyl benzoate 120-72-9, Indole, uses 122-00-9,
p-Methyl acetophenone 122-03-2, Cuminic aldehyde
122-63-4, Benzyl propionate 122-78-1, Phenyl
acetaldehyde 122-99-6 123-11-5, Anisic aldehyde, uses 123-35-3
, Myrcene 123-51-3, Isoamyl alcohol 123-68-2, Allyl
caproate 124-13-0, Octyl aldehyde 124-19-6, Nonyl
aldehyde 125-12-2, Isobornyl acetate 127-41-3,
.alpha.-Ionone 127-51-5, .alpha.-Iso methyl ionone 127-91-3,
.beta.-Pinene 134-20-3, Methyl anthranilate 140-11-4, Benzyl
acetate 140-67-0, Methyl chavicol 141-12-8, Neryl acetate
141-14-0, Citronellyl propionate 141-78-6, Ethyl
acetate, uses 141-97-9, Ethyl acetoacetate 142-19-8,
Allyl heptoate 142-92-7, Hexyl acetate 143-13-5, Nonyl
acetate 150-84-5, Citronellyl acetate 151-05-3,
Dimethyl benzyl carbanyl acetate 470-82-6, Eucalyptol
488-10-8, cis-Jasmone 491-07-6, Isomenthone 499-75-2,
Carvacrol 536-60-7, Cuminic alcohol 562-74-3,
4-Terpinenol 586-62-9, Terpinolene 624-54-4, Amyl propionate
628-63-7, Amyl acetate 629-33-4, Hexyl formate
673-84-7, allo-Ocimene 821-55-6, Methyl heptyl ketone
925-78-0, Ethyl hexyl ketone 928-94-9 947-05-7, Dodecalactone
1123-85-9, Hydratropic alcohol 1191-16-8, Prenyl acetate
1333-49-9, Dimethyl octanol 1333-58-0, Isobutyl quinoline 1334-90-3
1337-83-3, Undecenal 1632-73-1, Fenchyl alcohol 2102-59-2
2244-16-8 2345-26-8, Geranyl isobutyrate 2550-26-7,
Benzyl acetone 3623-52-7, Isomenthol 3681-71-8, cis-3-Hexenyl
acetate 4395-92-0, p-Isopropyl phenylacetaldehyde 5392-40-5
5434-57-1 5989-27-5 5989-33-3, Linalool oxide 6485-40-1
7388-22-9, .gamma.-Methyl ionone 8007-35-0, Terpinyl acetate
13851-11-1, Fenchyl acetate 16409-43-1, Rose oxide
16930-96-4, Hexyl tiglate 18479-57-7, Tetrahydro
myrcenol 19009-56-4, Methyl octyl acetaldehyde 21145-77-7,
Tonalide 21677-96-3, Geranyl nitrite 21722-83-8, Cyclohexyl
ethyl acetate 26444-19-9, Methyl acetophenone 27458-94-2,
Isononyl alcohol 28261-03-2, Hexenol 28933-77-9, Hexenyl acetate
29759-11-3 30385-25-2, Dihydromyrcenol 32210-23-4, Vertenex
40379-24-6, Isononyl acetate 51566-62-2, Citronellyl
nitrite 54140-14-6 54830-99-8 57576-09-7, Isopulegyl acetate
67883-79-8 68039-49-6, Ligustral 68039-49-6, Cyclal C
71662-23-2 76842-49-4, Frutene 92348-62-4D, lactone derivs.
179639-45-3 196791-41-0

RL: MOA (Modifier or additive use); USES (Uses)
(built automatic **dishwashing** compns. comprising bleach,
builder, and blooming perfume)

L430 ANSWER 15 OF 18 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1991:682515 HCAPLUS
DOCUMENT NUMBER: 115:282515
TITLE: Perfumed liquid detergent composition with storage
stability
INVENTOR(S): Persing, Klaus; Seichter, Eckhard; Sowada, Rudolf;
Franke, Werner; Michel, Dieter; Rehschuch, Wolfgang
PATENT ASSIGNEE(S): Leuna-Werke A.-G., Germany
SOURCE: Ger. (East), 3 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 292477	A5	19910801	DD 1990-338397	19900305
DD 292477	B5	19941208		

PRIORITY APPLN. INFO.: DD 1990-338397 19900305
AB Combinations of citral and/or citronellal, dihydromyrcenol and/or
tetrahydrolinalool (I), PhOCH₂CH₂OH, and eugenol and/or
p-tert-butylhydroxyanisole (II) are useful as storage-stable perfumes in
liq. laundry or **dishwashing** detergents and liq. cleaning compns.
contg. active O-generating compds. A cleaning compn. contained
alkylbenzenesulfonate 10.4, alkanesulfonate 6.7, alkyl ether sulfate 1.6,
H₂O₂ 0.04, citral 0.05, citronellal 0.02, I 0.0175, II 0.0025, and
PhOCH₂CH₂OH 0.03%, the balance being water.

IC ICM C11D003-50

CC 46-5 (Surface Active Agents and **Detergents**)

ST perfume stability liq detergent; citral perfume liq detergent; citronellal
perfume liq detergent; dihydromyrcenol perfume liq detergent;
tetrahydrolinalool perfume liq detergent; phenoxyethanol perfume liq
detergent; eugenol perfume liq detergent; butylhydroxyanisole perfume liq
detergent; laundry detergent liq perfume; **dishwashing** detergent
liq perfume; cleaner liq perfume

IT Perfumes and Essences

(liq. detergents contg., storage-stable)

IT Bleaching agents

(peroxygen, liq. detergents contg. perfume and, stable)

IT Detergents

(cleaning compns., liq., contg. perfumes and peroxygen compds., stable)

IT Detergents

(**dishwashing**, liq., contg. perfumes and peroxygen compds.,
stable)

IT Detergents

(laundry, liq., contg. perfumes and peroxygen compds., stable)

IT 79-21-0, Peracetic acid 7632-04-4, Sodium perborate

RL: USES (Uses)

(liq. detergents contg. perfume and, stable)

IT 78-69-3, 3,7-Dimethyloctan-3-ol 97-53-0, Eugenol

106-23-0 122-99-6, 2-Phenoxyethanol 5392-40-5 18479-58-8,

2,6-Dimethyl-7-octen-2-ol 25013-16-5

RL: USES (Uses)

(perfumes contg., liq. detergents contg., stable)

L430 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1988:633235 HCAPLUS
 DOCUMENT NUMBER: 109:233235
 TITLE: Malodor-free **dishwashing** detergent compositions
 INVENTOR(S): Tosaka, Masaki; Izumi, Yu; Nakagawa, Junosuke
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63092698	A2	19880423	JP 1986-239693	19861008
JP 05086998	B4	19931215		

PRIORITY APPLN. INFO.: JP 1986-239693 19861008

OTHER SOURCE(S): MARPAT 109:233235

AB The title detergents based on C12-18 .alpha.-olefinsulfonates or C10-16 alkylamine oxides contain C8-10 aliph. aldehyde, C7-15 arom. aldehyde, and/or lower alkyl anthranilate. A typical compn. comprised Na .alpha.-olefinsulfonate 6, polyoxyethylene ether sulfate Na salt 14, lauryldiethanolamide 4, EtOH 5, Na p-toluenesulfonate 2, octyl aldehyde 0.02, and water to 100%. A **dishcloth** washed with this detergent was free from malodor.

IC ICM C11D010-02

ICI C11D010-02, C11D001-14, C11D001-75, C11D003-20

CC 46-6 (Surface Active Agents and **Detergents**)

ST aldehyde deodorant **dishwashing** detergent; olefinsulfonate **dishwashing** detergent deodorant; alkylamine oxide **dishwashing** detergent deodorant; alkyl anthranilate **dishwashing** detergent deodorant

IT Deodorants

(aldehydes and anthranilates, for olefinsulfonate-or amide oxide-based **dishwashing** detergents)

IT Aldehydes, uses and miscellaneous

Esters, uses and miscellaneous

RL: USES (Uses)

(deodorants, for olefinsulfonate- or alkylamine oxide-based **dishwashing** detergents)

IT Detergents

(**dishwashing**, olefinsulfonate- or alkylamine oxide-based deodorants for, aldehydes and anthranilates as)

IT Amines, oxides

RL: USES (Uses)

(N-oxides, **dishwashing** detergents based on, deodorants for, aldehydes and anthranilates as)

IT 80-54-6, p-tert-Butyl-.alpha.-methylhydrocinnamaldehyde 87-25-2, Ethyl anthranilate 90-02-8, o-Hydroxybenzaldehyde, uses and miscellaneous 93-53-8, .alpha.-Methylphenylacetaldehyde 100-52-7, Benzaldehyde, uses and miscellaneous 101-86-0, .alpha.-Hexylcinnamaldehyde 103-95-7, p-Isopropyl-.alpha.-methylhydrocinnamaldehyde 104-53-0, 3-Phenylpropionaldehyde 104-55-2, Cinnamaldehyde 106-23-0, 3,7-Dimethyl-6-octenal 107-75-5 112-31-2, Decylaldehyde 120-57-0, 3,4-Methylenedioxybenzaldehyde 121-32-4, 3-Ethoxy-4-hydroxybenzaldehyde 121-33-5, 4-Hydroxy-3-

methoxybenzaldehyde 122-03-2, p-Isopropylbenzaldehyde
 122-40-7, .alpha.-Amylcinnamaldehyde 122-78-1 123-11-5,
 p-Methoxybenzaldehyde, uses and miscellaneous 124-13-0,
 Octylaldehyde 124-19-6, Nonylaldehyde 134-20-3, Methyl
 anthranilate 1205-17-0 5392-40-5, 3,7-Dimethyl-2,6-octadienal
 RL: USES (Uses)
 (deodorants, for olefinsulfonate- or alkylamine oxide-based
dishwashing detergents)

L430 ANSWER 17 OF 18 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1983:128187 HCPLUS
 DOCUMENT NUMBER: 98:128187
 TITLE: Liquid detergent compositions with tertiary alcohol
 skin feel additives
 INVENTOR(S): Jones, Keith A.; Walker, Harry S., Jr.
 PATENT ASSIGNEE(S): Procter and Gamble Co., USA
 SOURCE: U.S., 6 pp. Cont.-in-part of U.S. Ser. No. 193,050,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4371461	A	19830201	US 1981-299692	19810908
EP 49546	A1	19820414	EP 1981-201084	19810930
EP 49546	B1	19841219		
R: AT, BE, CH, DE, FR, GB, IT, NL				
AT 10857	E	19850115	AT 1981-201084	19810930
CA 1160131	A1	19840110	CA 1981-387138	19811001
JP 58029899	A2	19830222	JP 1981-156312	19811002
PRIORITY APPLN. INFO.:			US 1980-193050	19801002
			US 1981-299692	19810908
			EP 1981-201084	19810930

AB Liq. detergent compns. are prep'd. which contain a C8-20 tertiary alc. such as linalool [78-70-6] and give washing solns. with a pH of <8.5. The washing solns. impart a desirable feel to skin during washing of **dishes**, hard surfaces, etc. Thus, a liq. detergent compn. contained ammonium C12-13-alkyl sulfate 6.5, RO(CH₂CH₂O)_nSO₃NH₄ (R = C12-13 alkyl, av. n = 12) 18.8, glycerol mono(C12-14-alkyl) ether sulfate ammonium salt 4, C12-14-alkyldimethylamine oxide 5, K toluenesulfonate 0.5, linalool 0.1, EtOH 8, and additives-water 57.1%.

IC C11D003-20; C11D003-46; C11D003-48; C11D017-08

NCL 252547000

CC 46-6 (Surface Active Agents and **Detergents**)

ST **dishwashing** detergent skin compatibility; cleaner liq skin compatibility; alc detergent skin compatibility

IT Detergents

(**dishwashing**, liq., contg. tertiary alcs. for improved skin feel)

IT Detergents

(liq., contg. tertiary alcs. for improved skin feel)

IT Alcohols, uses and miscellaneous

RL: USES (Uses)

(tertiary, liq. detergents contg., for improved skin feel)

IT 78-69-3 78-70-6 98-55-5 142-50-7 151-19-9

562-74-3 28977-58-4

RL: TEM (Technical or engineered material use); USES (Uses)
 (detergents contg., liq., with improved skin feel)

L430 ANSWER 18 OF 18 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1982:408163 HCPLUS
 DOCUMENT NUMBER: 97:8163
 TITLE: Liquid detergent composition
 INVENTOR(S): Jones, Keith Anthony; Walker, Harry S., Jr.
 PATENT ASSIGNEE(S): Procter and Gamble Co., USA
 SOURCE: Eur. Pat. Appl., 18 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 49546	A1	19820414	EP 1981-201084	19810930
EP 49546	B1	19841219		
R: AT, BE, CH, DE, FR, GB, IT, NL				
US 4371461	A	19830201	US 1981-299692	19810908
AT 10857	E	19850115	AT 1981-201084	19810930
PRIORITY APPLN. INFO.:				
			US 1980-193050	19801002
			US 1981-299692	19810908
			EP 1981-201084	19810930

AB A liq. detergent compn. is mixed with 0.1-0.6% C8-20 tertiary alc., such as linalool [78-70-6], tetrahydrolinalool [78-69-3], 4-terpineol [562-74-3], .alpha.-terpineol [98-55-5], ocimenol [28977-58-4], or nerolidol [7212-44-4], to give improved mildness and smoothness in contact with skin. Thus, a **dishwashing** detergent contains ammonium C12-13 alkyl sulfate 6.5, ammonium C12-13 alkyl ethoxy(12) sulfate 18.8, ammonium C12-14 alkyl monoglyceryl ether sulfate 4, C12-14 alkyldimethylamine oxide 5, K toluenesulfonate 0.5, linalool 0.1, EtOH 8, and water-additives 57.1%.

IC C11D001-68; C11D001-72; C11D001-75; C11D017-00

CC 46-5 (Surface Active Agents and **Detergents**)

ST alc tertiary detergent mildness; linalool detergent mildness skin; terpineol detergent mildness skin; **dishwashing** detergent mildness skin

IT Alcohols, uses and miscellaneous
 (C8-20, tertiary, liq. detergents contg., for mildness to skin)

IT Detergents
 (liq., tertiary alc.-contg., with mildness to skin)

IT 78-69-3 78-70-6 98-55-5 151-19-9
 562-74-3 7212-44-4 28977-58-4

RL: USES (Uses)
 (liq. detergents contg., for mildness to skin)